STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

1A. TYPE OF WORK: DRILL [X] REENTER [ ] DEEPEN [ ]

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

B. TYPE OF WELL: OIL [ ] GAS [ ] OTHER: CBM SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT or CA AGREEMENT NAME: N/A

2. NAME OF OPERATOR: Anadarko Petroleum Corporation. Attn: Jennifer Berlin

8. WELL NAME and NUMBER: Goodall A-1

3. ADDRESS OF OPERATOR: P.O. Box 1330 Houston TX 77251-1330

PHONE NUMBER: 281-874-3441

9. FIELD AND POOL, OR WILDCAT: Helper Field

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1328'FSL & 1023'FWL 4386961 N 522684E

AT PROPOSED PRODUCING ZONE: SAME

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW SW Sec.6-T14S-R11E

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: approximately 6.5 miles to Price

CONFIDENTIAL

11. COUNTY: Carbon 12. STATE: UTAH

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	15. NUMBER PF ACRES IN LEASE:	16. NUMBER OF ACRES ASSIGNED TO THIS WELL:
1023'	160	160
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**18. PROPOSED DEPTH:**	**19. BOND DESCRIPTION:**
2640'	3075'	Fee State O&G Lease Bond #224351
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**21. APPROXIMATE DATE WORK WILL START:**	**22. ESTIMATED DURATION:**
6064' GR	4/2001	5 days

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4'	8-5/8" J55 24#	300'	170 cu. Ft. of API class G cement
~~7-7/8"~~	~~5-1/2" N80 17#~~	3075'	200-250 cu.Ft. of API class G thixotropic cement
8 3/4"	7" 23#		

DED 8/28/01

24. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

[X] WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
[X] COMPLETE DRILLING PLAN
[X] EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
[ ] FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNE

NAME (PLEASE PRINT) Jennifer Berlin TITLE Environmental Regulatory Analyst

SIGNATURE [signature] DATE 03/29/01

(This space for State use only)

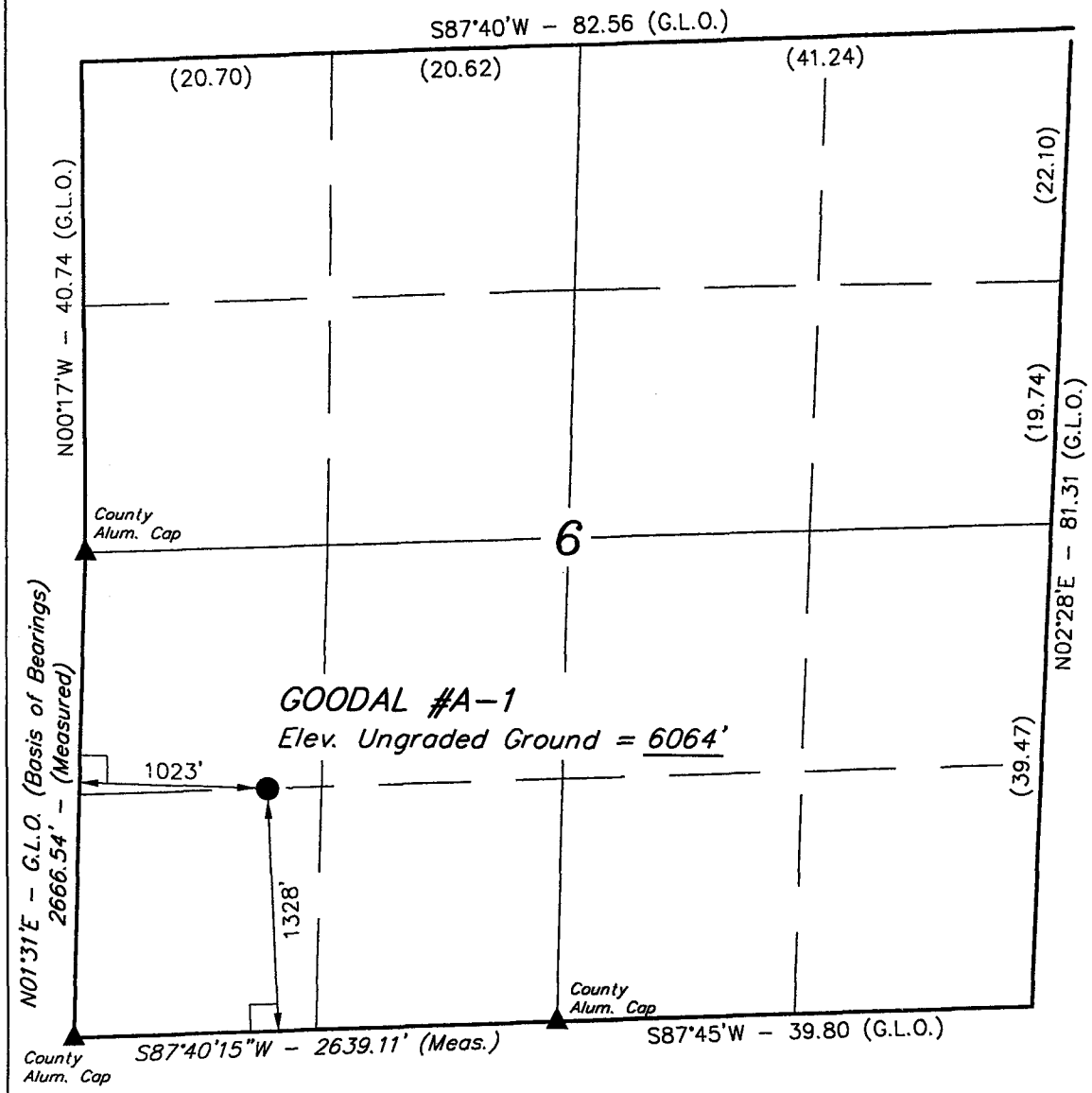
API NUMBER ASSIGNED: 43-007-30774

Approved by the Utah Division of Oil, Gas and Mining
APPROVAL:
Date: 07-10-01
By: [signature]
(See Instructions on Reverse Side)

RECEIVED
APR 02 2001
DIVISION OF OIL, GAS AND MINING

(5\2000)

T14S, R11E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

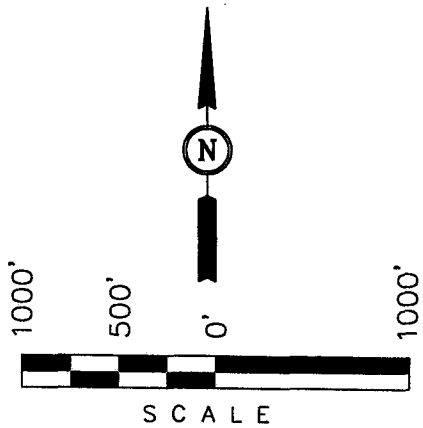
LATITUDE = 39°38'01"
LONGITUDE = 110°44'09"

ANADARKO PETROLEUM CORP.

Well location, GOODAL #A-1, located as shown in the NW 1/4 SW 1/4 of Section 6, T14S, R11E, S.L.B.&M. Carbon County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 11, T14S, R10E, S.L.B.&M. TAKEN FROM THE PRICE QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5741 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 2-15-01 D.COX

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	12-18-00	12-19-00
PARTY: D.K. B.P. D.COX	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: ANADARKO PETROLEUM CORP.	

DRILLING PLAN
TO ACCOMPANY APPLICATION FOR PERMIT TO DRILL

Company: Anadarko Petroleum Corporation

Well: **Goodall A-1**

Location: 1328'FSL& 1023'FWL
T14S R 11E Sec. 6
Carbon County, Utah

Lease:

Surface Elevation: 6064

Surface/Mineral Owner: C.A. Goodall, 11252 South Wyngate Canyon, Sandy, Utah 84092

A. Estimated Tops of Important Geologic Markers:

GEOLOGIC MARKER	DEPTH
Emery	Surface
Bluegate Shale	**1430**
Ferron SS Member	**2530**
Ferron Coal Top	**2545**
Base of Ferron Coal	**2675**
Tununk Shale	**2735**

B. Estimated Depth at which Water, Oil, Gas or other Mineral-Bearing zones are expected to be encountered:

Gas-bearing Ferron Sandstone Member is expected to be encountered from: 2530 - 2675.

All fresh water zones and prospectively valuable mineral zones encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

C. Pressure Control Equipment:

A 9" 2000 psi WP double gate hydraulic BOP with pipe rams and blind rams will be installed on the 8-5/8" casinghead. In addition to the BOP stack, a rotating head will be installed on top of the BOP to assist in safe air drilling operations. The BOP stack will be tested prior to drilling below surface casing. The ram preventers will be tested to 70% of the working pressure of the casinghead. The annular will be tested to 50% of its working pressure. Operational checks will be made daily or on trips. A BOP schematic is shown on attached Exhibit "A".

The BOP system will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order. This inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. The accumulator system will meet IADC guidelines concerning pump capacities, storage capacity, and reservoir volume. Closing unit fluid volume will be sufficient to pre-charge the system to operating pressure plus 50% excess. One set of controls will be in the doghouse on the rig floor and one set will be remote on the drilling pad.

D. Casing Program

Surface Casing: 8-5/8", 24#, J55, LTC new casing will be set at approximately 300'.
Production Casing: 5-1/2" 17#, N80, LTC, new casing will be set at TD if productive.

D. Casing Program (continued)

Casing Design Factors

The safety factors on casing strings will equal or exceed the following values:

Collapse	1.0
Joint Strength	1.6
Burst	1.33

E. Cement Program

Surface - Cement will be circulated to the surface. Casing will be cemented with approximately 170 cu. ft. of API Class 'G' cement.

Production - Casing will be cemented with approximately 200-250 cu. ft. of API Class 'G" thixotropic cement. The actual cement volume will be based upon hole depth and gauge, and will be determined from logs.

Additional additives will be used to retard the cement, accelerate the cement, control lost circulation, or control fluid loss. All cementing will be done in accordance with API cementing practices.

F. Mud Program and Circulating Medium:

A truck-mounted air drilling rig will be used to drill the surface hole to 300' and to pre-set the surface casing before moving a drilling rig on location to drill the rest of the hole to TD. An air or air/mist system will be used for drilling from below surface pipe at 300' to TD. The mud/fluid system will be monitored visually and with a gas chromatograph detector.

G. Coring, Logging, and Testing Program:

a. Rotary sidewall coring in the Ferron Sandstone interval may be performed, depending upon shows and hole conditions.

b. DST's may be run depending upon shows.

c. The following logging program is planned:
   1. SDL-GR-CAL over prospective intervals..
   2. DIL- SP-GR-CAL over prospective intervals

d. A mud logging unit with chromatograph will be used from approximately 1000' to TD.

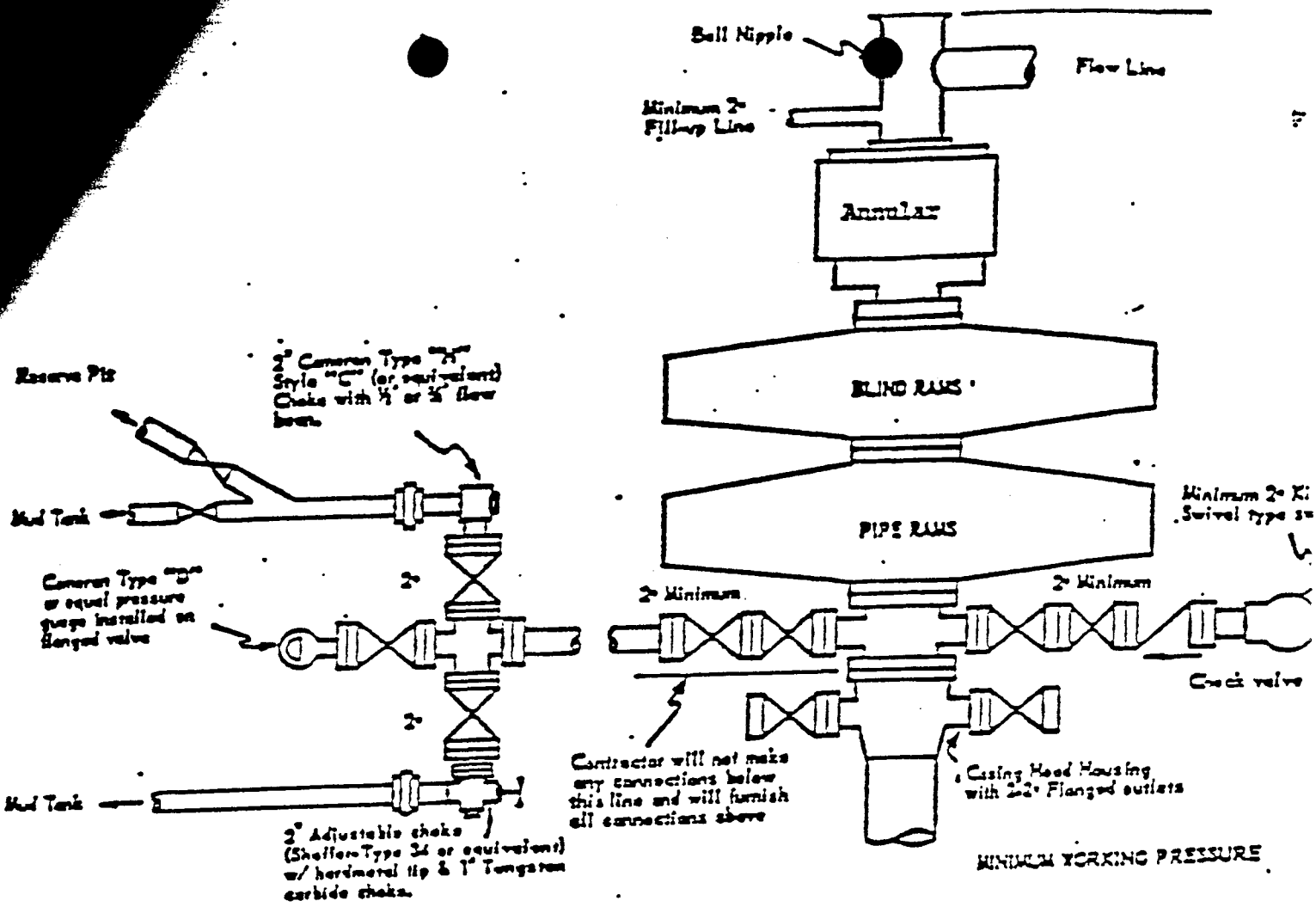
e. After production casing is installed, a cement bond log will be run to determine the top of cement. Productive zones will then be perforated and swab tested. Water produced during testing will be contained in the temporary reserve pit. All produced oil will be stored and sold. Gas will be flared during testing.

H. Abnormal Conditions and Potential Hazards:

Abnormal conditions such as abnormal temperatures or pressures are not anticipated. Potential hazards such as H2S are also not anticipated.

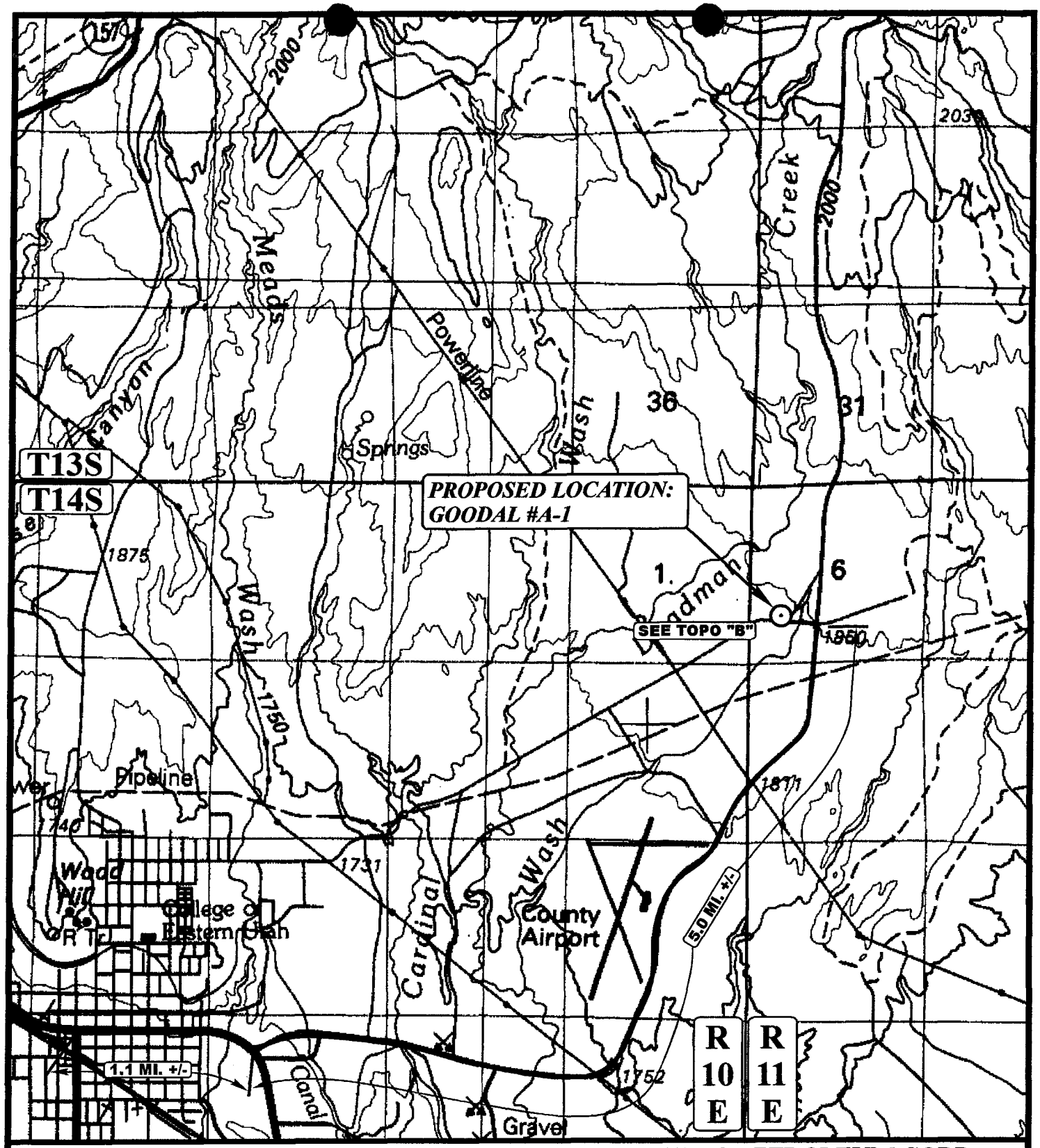
I. Location and Type of Water Supply:

Water supply for drilling and completion purposes will be furnished by a water truck and will be obtained from the Price River Municipal Water District hydrant located at 1800 East 800 North, Price, Utah. This water supply is subject to change if a more economic source can be found.



Anadarko Petroleum Corporation

MINIMUM BLOWOUT PREVENTER REQUIREMENTS - NORMAL PRESSURE SERVICE



LEGEND:

⊙ PROPOSED LOCATION

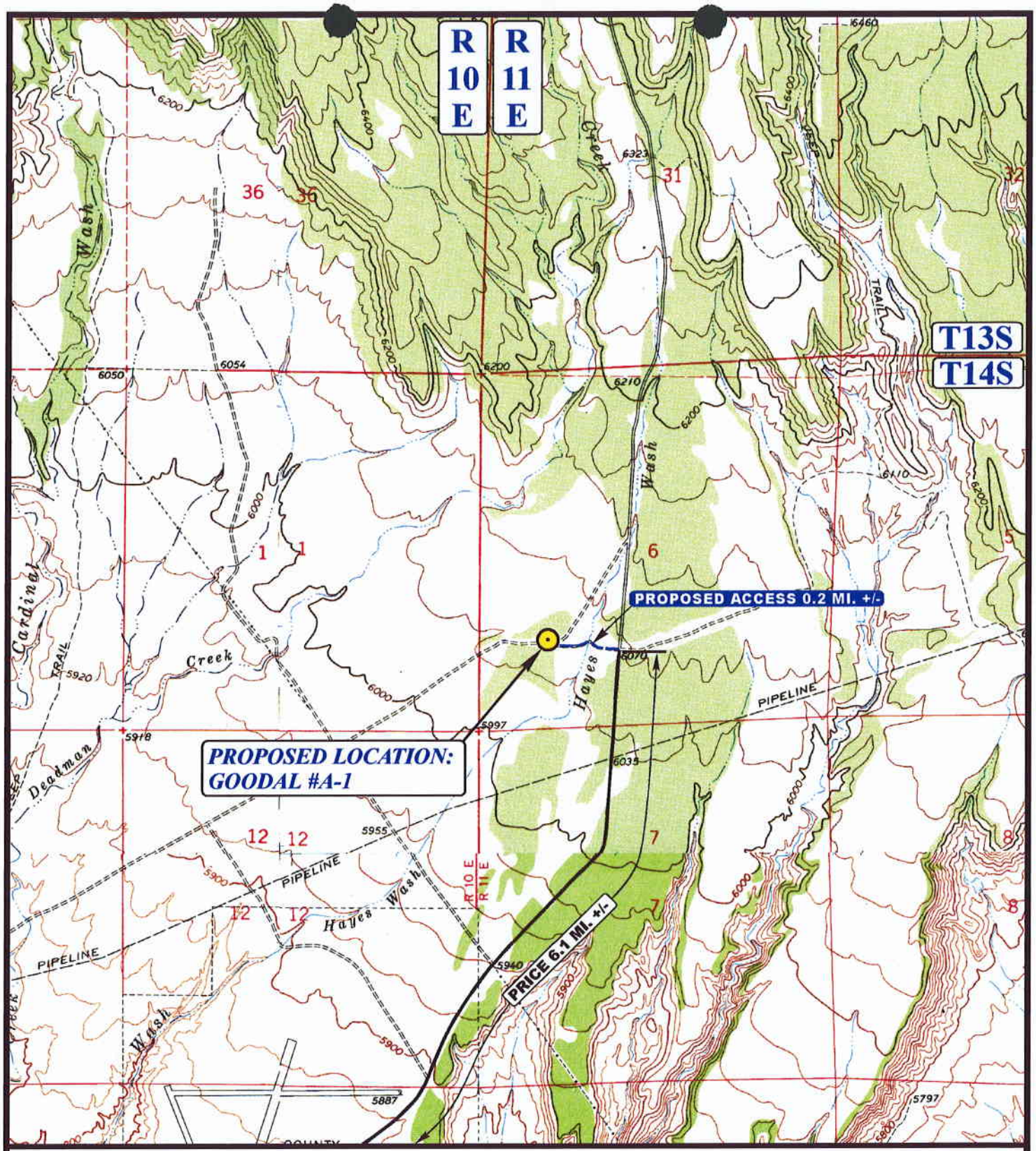
N

ANADARKO PETROLEUM CORP.

GOODAL #A-1
SECTION 6, T14S, R11E, S.L.B.&M.
1328' FSL 1023' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	00 YEAR	A TOPO
SCALE: 1" = 4000'	DRAWN BY: K.G.	REV: C.G. 2-15-01		



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

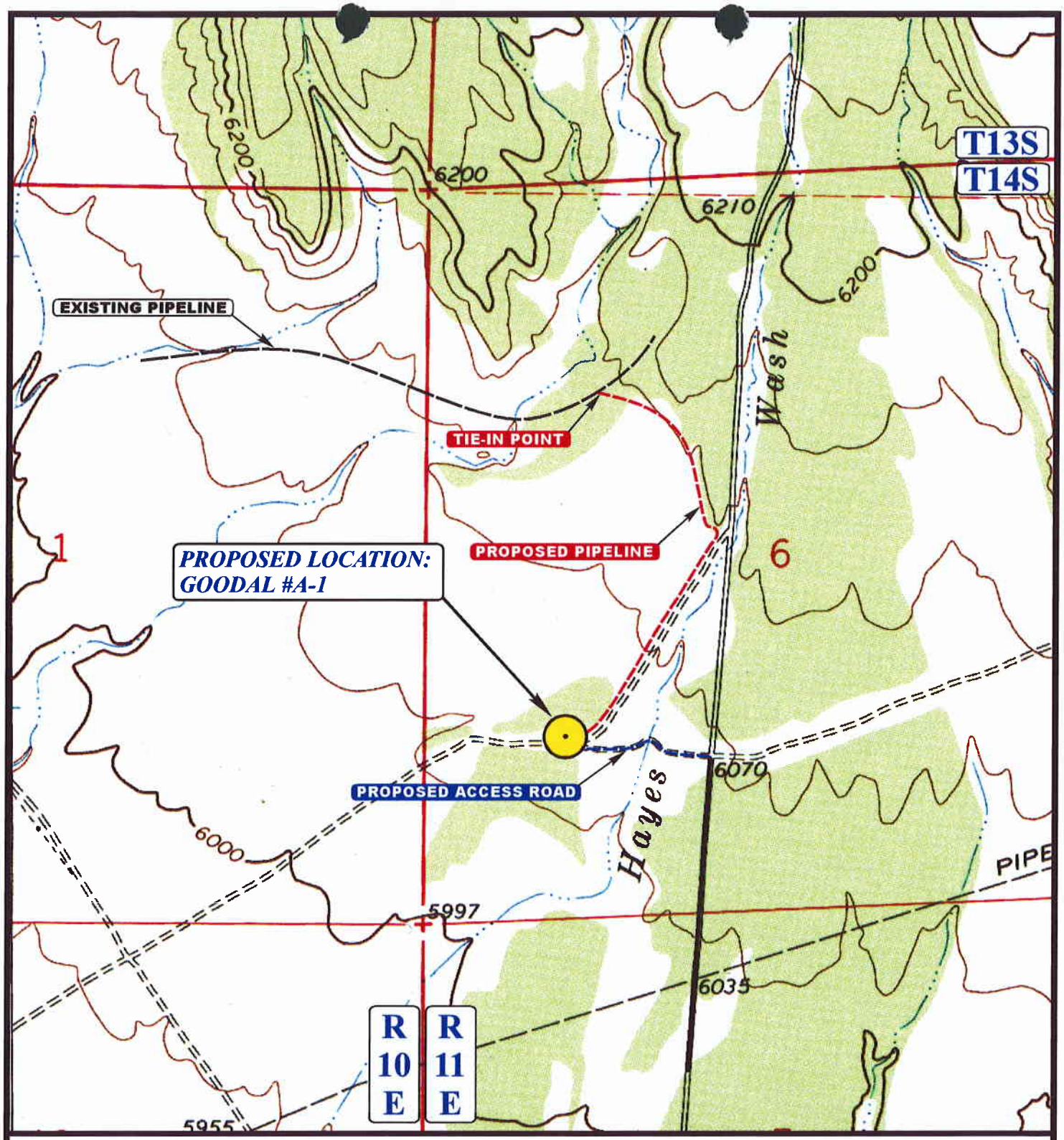
N

ANADARKO PETROLEUM CORP.

GOODAL #A-1
SECTION 6, T14S, R11E, S.L.B.&M.
1328' FSL 1023' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	00 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: K.G.	REV: C.G. 2-15-01		



APPROXIMATE TOTAL PIPELINE DISTANCE = 3300' +/-

LEGEND:

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

ANADARKO PETROLEUM CORP.

GOODAL #A-1
SECTION 6, T14S, R11E, S.L.B.&M.
1328' FSL 1023' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 22 DAY | 00 YEAR

SCALE: 1" = 1000' | DRAWN BY: K.G. | REV: C.G. 2-15-01

C TOPO

TURNER PETROLEUM
LAND SERVICES, INC.
8438 South 1275 East
Sandy, Utah 84094
(801) 561-8953

July 9, 2001

Lisha Cordova
Division of Oil, Gas & Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Re Anadarko Petroleum Corportion

Dear Ms. Cordova:

At the request of Patrick A. Smith of Anadarko Petroleum Corporation enclosed please find copies of the following Surface Land Use Agreements:

1. Surface Land Use Agreement effective 5-30-2001 signed by C.A. Goodall, dealing in his sole and separate property covering the drillsite for the Goodall #A-1 well located in the SW/4 of Sec. 6, T14S-R11E, SLM, Carbon County, Utah.

2. Surface Land Use Agreement effective 6-14-2001 signed by Lucy Z. Hausknecht, a married woman dealing in her sole and separate property, and Henry Scorzato, dealing in his own property, covering the drillsite for the Hausknecht #A-1 well located in the S1/2SW1/4 of Section 21, T13S-R10E, SLM, Carbon County, Utah.

Please feel free to call me if you have any questions.

Very truly yours,

Clint W. Turner

Clint W. Turner, CPL

Enclosures

JY20

E 085836 B 477 P 388
Date 7-JUN-2001 10:33am
Fee: 24.00 Check
SHARON MURDOCK, Recorder
Filed By JB
For TURNER PETROLEUM LAND SERVICES
CARBON COUNTY CORPORATION

STATE O F UTAH
COUNTY OF CARBON

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, C.A. Goodall, dealing in his sole and separate property, whose address is 11252 South Wyngate Lane, Sandy, UT 84092, (hereinafter referred to as GRANTOR, whether one or more), is the owner of the surface of the following described property located in Carbon County, Utah, to-wit:

TOWNSHIP 14 SOUTH, RANGE 11 EAST, SLM
Section 6: Lots 6 (40.26), 7 (40.30), E1/2SW1/4

See Exhibits "A", "B", and "C" Attached

and Anadarko Petroleum Corporation whose address is P.O. Box 1330, Houston, TX 77251-1330, (hereinafter referred to as GRANTEE), owns leases covering oil, gas and mineral rights in, under and upon said property; and

WHEREAS, Grantee desires to build an access road, pipelines and appurtenances thereto, power lines, and a well site for the drilling of a Coalbed Degasification well on a portion of said property.

NOW THEREFORE, for and in consideration of the sum of ten dollars ($10.00) and other valuable considerations, the receipt and sufficiency of which is hereby acknowledged, Grantor does hereby grant, sell and convey unto Grantee, its successors and assigns, the easement and right to use that portion of the herein above described property as may be necessary to conduct its drilling and production operations on said property, including the right to construct and maintain a coalbed methane gas well site; to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment; to construct, maintain or cover up any pits or ponds necessary for drilling operations or water storage; to erect, maintain, relocate, replace or remove production facilities, including, but not limited to, pumps, compressors, separators, treaters, etc.; to construct, maintain, relocate, or abandon roads, and in connection therewith, a power line or power lines (said well sites, pipelines, appurtenances, valves, metering equipment, cathodic equipment, road and power lines being sometimes collectively called the "facilities") over, under and through the hereinafter described land as described in the attached Exhibits "A" and "B".

Grantor acknowledges the receipt and sufficiency of the above described consideration as payment for all damages to Grantor's trees, timber, growing crops, and other vegetation being cultivated on said land by the undersigned or their respective lessees, tenants or assigns caused by the construction, maintenance, protection, repair, placement or removal of the facilities as described in the attached exhibits and agrees that the payment and acceptance of the consideration set forth above is in full and complete payment, settlement, compromise and satisfaction of any and all of the above-mentioned losses, liabilities, claims, damages, demands and causes of action for any and all injuries and damage to the surface of the land hereinbelow described and to any appurtenances or improvements thereon, and for any and all claims including but not limited to loss of potential rental income, damages to and/or loss of livestock and wildlife, arising directly or indirectly in connection with the operations thereon by Grantee, its employees, agents, contractors, or subcontractors in connection with the above-mentioned operations of Grantee.

Grantee shall have the free right of ingress and egress to, over, upon, through and across said right-of-way and easement for any and all purposes that may be necessary or incidental to the maintenance of the right-of-way and easement, with the right to use existing roads which enter Grantor's property for the purpose of constructing, inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part, and the replacement of said pipeline or pipelines with either like or different size pipe. During temporary periods, Grantee may use such portions of the property along and adjacent to said right-of-way as may be necessary in connection with construction, maintenance, repair, removal or replacement of the facilities and if such use causes any damages to Grantor's lands outside of the above described right-of-way, Grantee shall pay Grantor for such damages.

Grantor reserves the right to the use and enjoyment of said property except for the purposes herein granted, but such use shall not hinder, conflict or interfere with Grantee's surface or subsurface rights hereunder or disturb its facilities. No road, reservoir, excavation, obstruction or structure shall be constructed, created or maintained on, over, along or within the lands covered by this right-of-way without Grantee's prior written consent.

If Grantee desires to remove any trees adjacent to said right-of-way at a later date which may be hazardous to the maintenance and use of the facilities on the right-of-way, Grantee shall first obtain approval from Grantor in writing, Grantor's approval not to be unreasonably withheld, and after receipt of such approval, may proceed to cut and remove such trees subject to payment of additional timber damages, if any are determined.

The undersigned hereby covenant and warrant that they are the surface owners of the above described land, and have the right to enter into this agreement.

FOR THE SAME CONSIDERATION RECITED ABOVE, Grantor and Grantee do hereby release, discharge and acquit the other from any and all liability, and shall indemnify the other against any and all claims and demands for damages, attorneys fees, injury or loss, existing now or done hereafter, to the surface of said lands or to any third parties arising out of or being the result of their or, their agents, contractors, licensees, permittees, successors and assigns own activities on or use of the subject property. However, such parties' potential liability under this paragraph to the other shall be limited to the acts and/or omission of it, or its predecessors, agents, contractors, licensees, permittees, successors, and assigns, and shall not include any acts and/or omissions of the other party, its agents, contractors, licensees, permittees, successors or assigns. Grantee shall reasonably maintain the subject property in order to prevent unnecessary deterioration of the surface and to keep the property in an unlittered condition.

TO HAVE AND TO HOLD the above described rights and easements, together with all rights necessary to operate and maintain the facilities over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding upon Grantor, Grantor's heirs, legal representatives and successors in title. Upon abandonment, at the request of the Grantor, Grantee shall execute and deliver to Grantor a document in recordable form evidencing said abandonment.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement is subject to Special Stipulations as described on the attached Exhibit "C". In the event of conflict between the terms of the main body of the Agreement and the Special Stipulations described on the attached Exhibit "C", the Special Stipulations control.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be and original instrument, but all such counterparts together shall constitute for all purposes one instrument executed as of the dates of the respective acknowledgments of the parties hereto, but being effective as of the 30th day of May, 2001.

GRANTOR:

C.A. Goodall

C.A. Goodall
TIN: 528-20-4431
Date: May 30, 2001

ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

BEFORE ME, the undersigned, a Notary Public, in and for said County and State on this 30th day of May, 2001, personally appeared C.A. Goodall, dealing in his sole and separate property to me known to be the identical person described in and who executed the within and foregoing instrument of writing and acknowledged to me that he duly executed the same as his free and voluntary act and deed for the purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written

Clint W. Turner

Notary Public
Residing at: Sandy, UT

My Commission Expires: 7-14-03

CLINT W. TURNER
NOTARY PUBLIC - STATE OF UTAH
8438 SOUTH 1275 EAST
SANDY, UT. 84094
COMM. EXP. 7-14-2003

Dated: 6-1-2001

GRANTEE:

ANADARKO PETROLEUM CORPORATION

By: _____
Glen McPhail
Its: Agent and Attorney in Fact

ACKNOWLEDGMENT

STATE OF TEXAS
COUNTY OF HARRIS

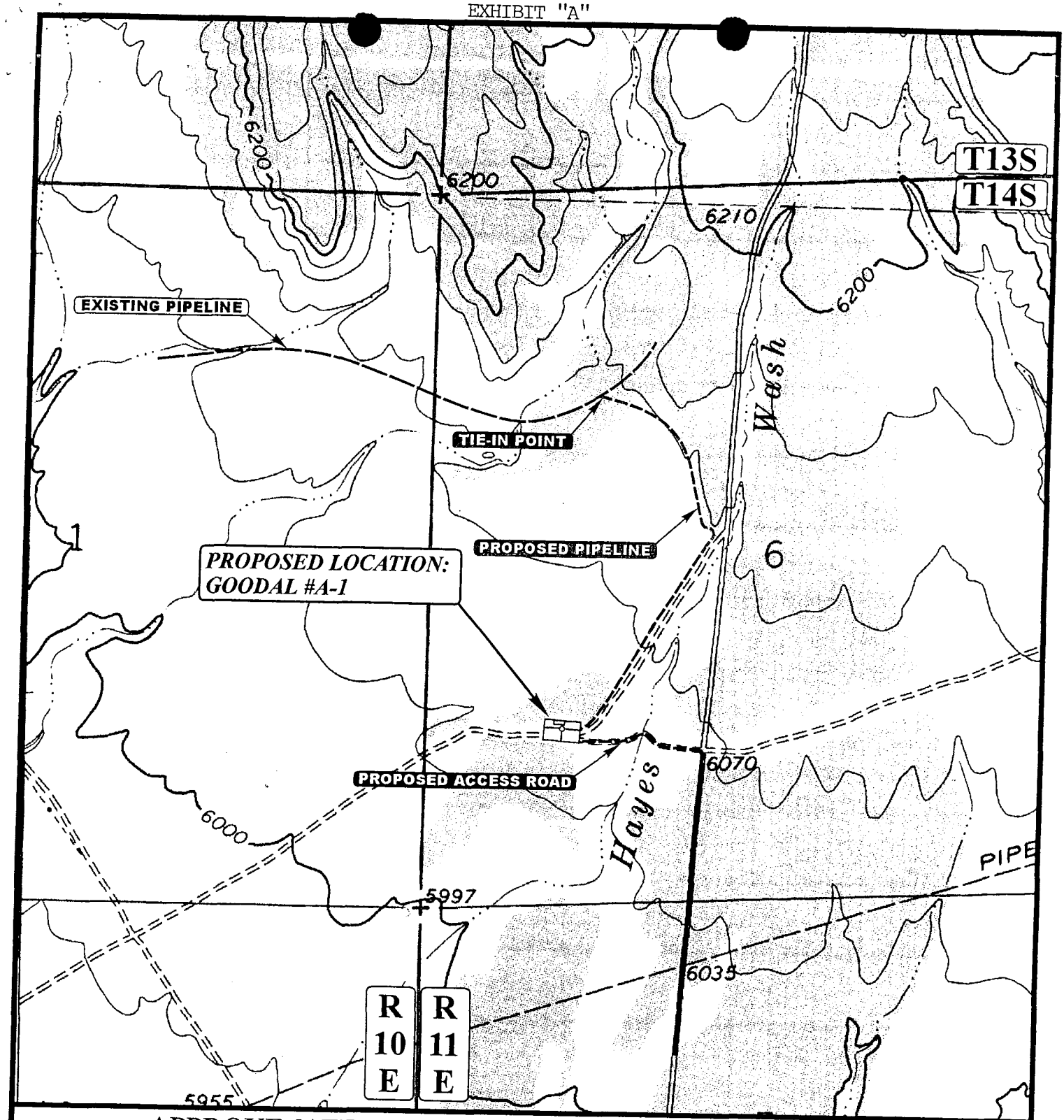
I, the undersigned authority, a Notary Public in and for said county and state, hereby certify that Glen McPhail, whose name as Agent and Attorney in Fact is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, with full authority, executed the same voluntarily for and as the act of said corporation.

Given under my hand and seal this 1st day of June, 2001.

_____
Notary Public
Residing at:

My Commission Expires: 6-21-03

EXHIBIT "A"



APPROXIMATE TOTAL PIPELINE DISTANCE = 3300' +/-

LEGEND:

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

ANADARKO PETROLEUM CORP.

GOODAL #A-1

SECTION 6, T14S, R11E, S.L.B.&M.

1328' FSL 1023' FWL

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	00 YEAR	C TOPO
SCALE: 1" = 1000'	DRAWN BY: K.G.	REVISED: 4-16-01		

EXHIBIT "B"

Attached to and made a part of that certain Surface Land Use Agreement effective the 30th day of May. 2001, by and between C.A. Goodall, dealing in his sole and separate property, as Grantor, and Anadarko Petroleum Corporation, as Grantee.

1. A well location approximately two hundred seventy feet (270') by one hundred eighty feet (180') (1.12 acres) in the SW1/4, Section 6, T14S-R11E, SLM, Carbon County, Utah. (Goodall #A-1 Well).

2. A permanent pipeline/power line right-of-way forty feet (45') wide by one thousand six hundred feet (1,650') long (100 rods) more or less, in the lands covered by this Agreement as shown on Exhibit "A". Also an additional temporary 25 foot wide easement to be used during the construction phase of said pipeline/powerline.

3. An access road twenty feet (20') wide by one thousand feet (1,000') long (60.61 rods) more or less in the lands covered by this Agreement as shown on Exhibit "A".

SIGNED FOR IDENTIFICATION

C.A. Goodall

Glen McPhail

EXHIBIT "C"
SPECIAL STIPULATIONS

Attached to and made a part of that certain Surface Land Use Agreement effective the 30th day of May, 2001, by and between C.A. Goodall, dealing in his sole and separate property, as Grantor, and Anadarko Petroleum Corporation, as Grantee.

1. Each pipeline and power line installed hereunder shall be constructed not less than five (5) feet below the surface elevation of said land at the time of construction, provided that subsoil and subsurface conditions will permit a pipeline or power line to be constructed at this depth using normal construction methods. In the event that rock or other subsoil or subsurface conditions, including other previously laid pipe or other lines, do not permit a pipeline or power line to be constructed at this depth by normal construction methods, each pipeline or power line constructed hereunder shall be constructed at the lowest depth above the five (5) feet minimum depth specified above that normal construction methods will permit. It is agreed and understood that there is no obligation on the part of Grantee to bury power lines. Grantor, its successors or assigns, shall give reasonable notice to Grantee before crossing a pipeline or power line at locations other than existing roadways so that Grantee may instruct Grantor on what measures must be taken by Grantor to protect such facilities from damage.

2. It is hereby understood and agreed that by the execution of this agreement, Grantee does not serve to waive, forfeit, or limit any rights it may have by virtue of the mineral Lease(s) active on the subject properties and shall not be deemed as a limitation on additional surface use if further mineral development is contemplated. If the need for such additional surface use arises, Grantor and Grantee agree to negotiate in good faith to reach an agreement substantially similar in form to this agreement for such use.

3. Grantee shall have the right at any time, but not the necessity, to remove or abandon in place all machinery, fixtures, power lines and pipelines placed on or in said land, including the right to draw and remove casing. In no event shall Grantor be due any further damages for Grantee's efforts to restore the surface of the subject lands.

5. All roads shall be constructed with appropriate ditches and drain culverts to allow proper drainage off of said roads and also to prevent water from backing up along said roads, all at the sole expense of Grantee.

SIGNED FOR IDENTIFICATION

C.A. Goodall

Glen McPhail

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/02/2001

API NO. ASSIGNED: 43-007-30774

WELL NAME: GOODALL A-1

OPERATOR: ANADARKO PETROLEUM CORP (N0035)

CONTACT: JENNIFER BERLIN

PHONE NUMBER: 281-874-3441

PROPOSED LOCATION:

NWSW 06 140S 110E

SURFACE: 1328 FSL 1023 FWL

BOTTOM: 1328 FSL 1023 FWL

CARBON

UNDESIGNATED (2)

LEASE TYPE: 4-Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4-Fee

PROPOSED FORMATION: FRSD

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering	RAM	5/29/01
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[4]
(No. 224351)

N Potash (Y/N)

N Oil Shale (Y/N) *190-5 (B) or 190-3

✓ Water Permit
(No. PRWID)

N RDCC Review (Y/N)
(Date:)

Y Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit

___ R649-2-3. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 241-4 (160')
Eff Date: 9-26-2000
Siting: 460 fr. Drl. Unit boundary & 920' between wells.

___ R649-3-11. Directional Drill

COMMENTS: Need Presite. (5-18-01)

STIPULATIONS: (1) SURFACE CEMENT STIP
(2) STATEMENT OF BASIS

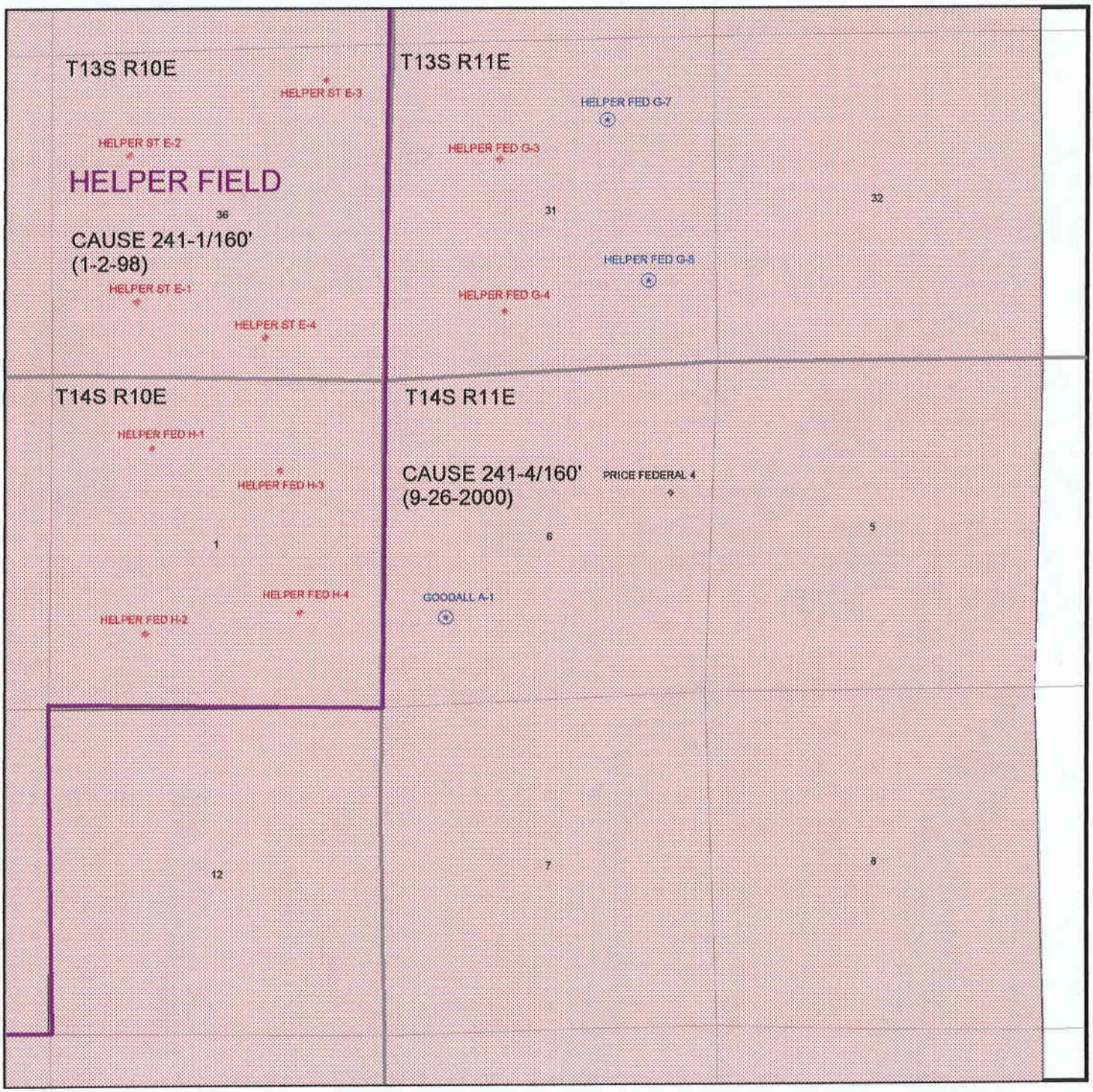
Utah Oil Gas and Mining

OPERATOR: ANADARKO PETROLEUM (N0035)

SEC. 6, T14S, R11E

FIELD: UNDESIGNATED (002)

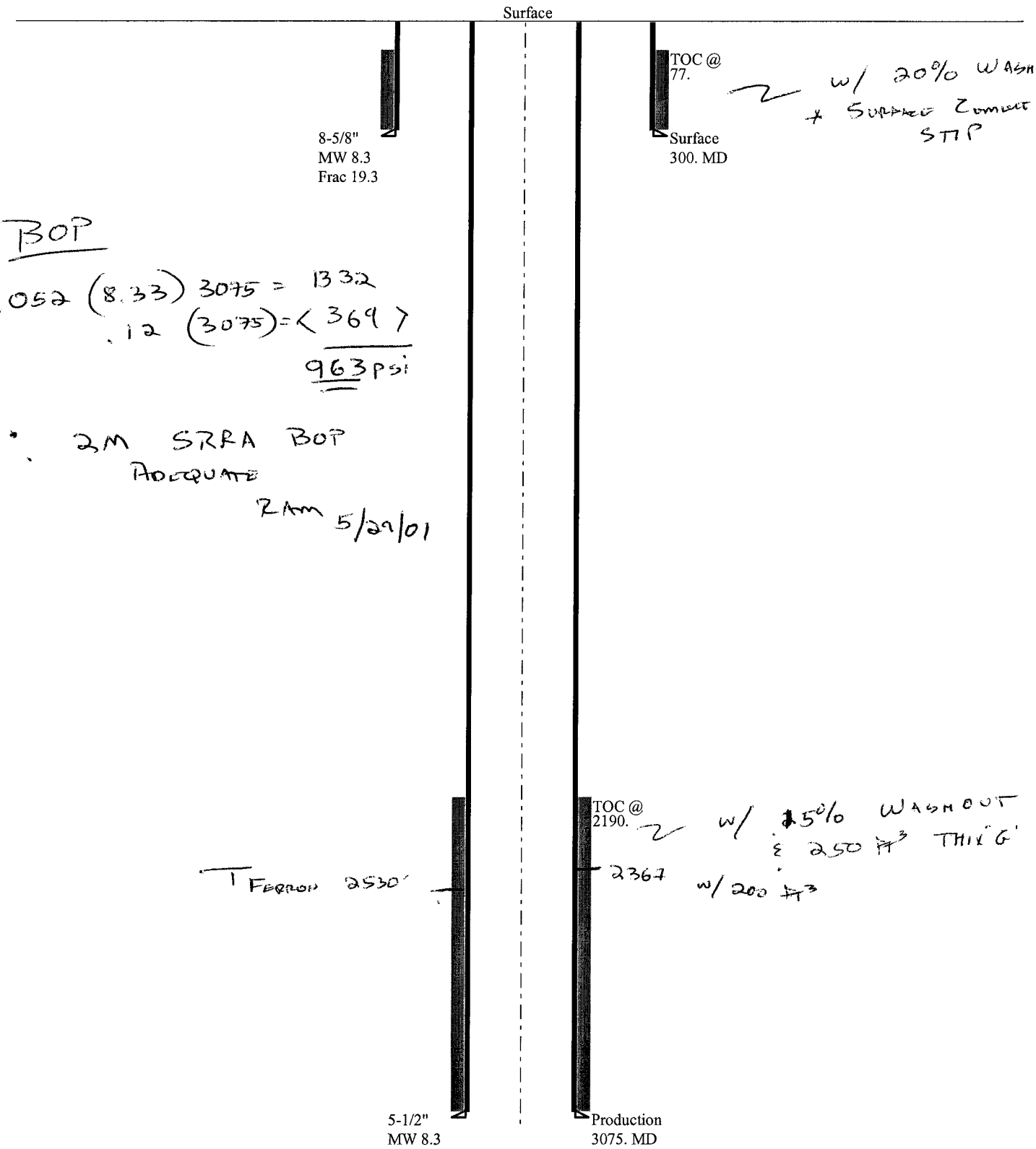
COUNTY: CARBON CAUSE: 241-4 / 160'



PREPARED BY: LCORDOVA
DATE: 6-APRIL-2001

05-01 Anadarko Goodall A-1

Casing Schematic



Well name:	**05-01 Anadarko Goodall A-1**
Operator:	**Anadarko Petroleum Corp.**
String type:	Production
Project ID:	43-007-30774
Location:	Carbon County, Utah

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.433 psi/ft

Calculated BHP 1,331 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.

Neutral point: 2,687 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	108 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	2,190 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3075	5.5	17.00	N-80	LT&C	3075	3075	4.767	106

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1331	6290	4.73	1331	7740	5.82	52	348	6.66 J

Prepared by: R.A. McKee
Utah Dept. of Natural Resources
Phone: (801) 538-5274
FAX: (801)359-3940

Date: May 29,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS - Surface Cement Stip.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 3075 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**05-01 Anadarko Goodall A-1**
Operator:	**Anadarko Petroleum Corp.**
String type:	Surface
Project ID:	43-007-30774
Location:	Carbon County, Utah

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 130 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 77 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 3,075 ft
Next mud weight: 8.330 ppg
Next setting BHP: 1,331 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	130	1370	10.56	130	2950	22.73	7	244	33.90 J

Prepared by: R.A. McKee, Utah Dept. of Natural Resources
Phone: (801) 538-5274
FAX: (801)359-3940
Date: May 29,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS Surface Cement Stip
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Anadarko Petroleum Corporation

WELL NAME & NUMBER: Goodal A – 1

API NUMBER: 43-007-30774

LEASE: Private FIELD/UNIT: Helper Field

LOCATION: 1/4,1/4 NWSW Sec 6 TWP: 14 S RNG: 11 E 1328 FSL 1023 FWL

LEGAL WELL SITING: 460' from the drilling unit boundary and 920' from other wells

GPS COORD (UTM): X = 522,684 E; Y = 4,386,961 N **(Calculated by widget)**
X = 522,689; Y = 4,386,952 **(Garmin GPS field reading)**

SURFACE OWNER: C. A. Goodal, 11252 South Wyngate Canyon, Sandy, Utah 84092

PARTICIPANTS

Chris Kierst, (DOGM), Jim Hartley (Anadarko), Hal Marshall (Uintah Engineering), and Charles Goodal with other of his family members (wife and son).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

This area is on the western margin of Colorado Plateau. The location is ~3¾ mile south of the foot of the Book Cliffs. It is ~600' west of Hayes Wash, 2,000' south-southeast of Deadman Creek and ~1¼ miles northeast of the County Airport; ~2,000' north-northwest of a pipeline and ~4 miles north of the Wellington Canal. The pad is beside an existing trail on a lightly pinyon /juniper forested surface over alluvium. There are two springs ~2¼ miles northwest of the location. The area gently slopes generally to the southwest. The area drains into Hayes Wash and eventually into the Price River, which is ~4½ miles southwest. Price UT is ~3½ miles west-southwest.

SURFACE USE PLAN

CURRENT SURFACE USE: Grazing and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: The operator proposes 270' X 155' pad, outboard soil storage, a 30' X 80' X 10' inboard pit, 0.2 mile of upgrades to existing trail for vehicle access and ~½ mile of pipeline/utilities access, about half of which follows a different trail, intersecting trail with the rest going cross-country.

LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS: 1 PA status well (4300730774) and 4 PGW status Anadarko CBM production locations.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ~2,000' north-northwest of a gas pipeline. Buried power line and gathering systems at first follow an existing trail, subsequently going cross - country to the tie-in. Production facilities include a pumpjack, separator enclosure, casing and tubing strings, well head, telemetry equipment and transformer.

SOURCE OF CONSTRUCTION MATERIAL: gravel location and approach road; soil stored in berm, the location will be made of natural material borrowed from leveling the pad during construction.

ANCILLARY FACILITIES: none

WASTE MANAGEMENT PLAN:

Garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. Portable chemical toilets which will be emptied into the municipal waste treatment system. Crude oil production is unlikely. Drilling fluid, completion / frac fluid and cuttings will be buried in the pit after evaporation and slashing the pit liner. Produced water will be gathered to the evaporation pit and eventually injected into the Navajo Sandstone via an Anadarko-operated salt water disposal well. Used oil from drilling operations will be placed in closed containers and disposed of at an authorized disposal site.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: The area drains to intermittent Hayes Wash and eventually into the Price River ~4½ miles to the southwest.

FLORA/FAUNA: Pinyon, juniper, sagebrush, grasses, cactus, birds, lizards, coyotes, rodents, raptors, occasional elk and deer.

SOIL TYPE AND CHARACTERISTICS: Sandy, silty, moderately permeable soil developed on Quaternary / Tertiary Pediment Mantle covering the Blue Gate Member of the Mancos Shale. (GP-SP-ML)

SURFACE FORMATION & CHARACTERISTICS: Quaternary / Tertiary Pediment Mantle overlying the Blue Gate Member of the Mancos Shale; light gray, bentonitic shale and sandstone ledges.

EROSION/SEDIMENTATION/STABILITY: Stable.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: Dugout, earthen pit, as above.

LINER REQUIREMENTS (Site Ranking Form attached): Synthetic liner is required.

SURFACE RESTORATION/RECLAMATION PLAN

As per Surface Owner's Agreement

SURFACE AGREEMENT: **Affidavit of existence of Surface Owner's Agreement not yet on file.**

CULTURAL RESOURCES/ARCHAEOLOGY: Archaeological survey not necessary on fee acreage.

OTHER OBSERVATIONS/COMMENTS

ATTACHMENTS:

4 photographs taken.

Christopher Kierst	5/18/2001 / 10 30 A M
DOGM REPRESENTATIVE	DATE/TIME

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator Name: Anadarko Petroleum Corporation

Name & Number: Goodal A – 1

API Number: 43-007-30774

Location: 1/4,1/4 NWSW Sec. 6 T. 14 S R. 11 E **County**: Carbon

Geology/Ground Water:
Significant volumes of high quality ground water are unlikely to be encountered at this location. A moderately permeable soil is developed on the Quaternary / Tertiary Pediment Mantle covering the Blue Gate Member of the Mancos Shale. The proposed casing and cementing program should adequately isolate any zones of fresh water that may be penetrated.

Reviewer: Christopher J. Kierst **Date**: 5/21/2001

Surface:
2 springs exist ~ 2¼ miles to the northwest. The nearest moving surface waters are in Coal Creek, ~3½ miles east, in the Price Canal, 3½ miles southwest and in the Price River, 4½ miles southwest. The site was photographed and characterized on 5/18/2001. Provision was made to ensure site rehabilitation, litter and waste control, preservation of drainage patterns and the integrity of local infrastructure, groundwater and other resources. The surface is stable. Well utilities and the water gathering system will follow an existing two-track road or go overland. Precipitation will be diverted around the location into the existing gullies and berms will be established to keep pollutants from entering or leaving the well pad.

Reviewer: Christopher J. Kierst **Date**: 5/21/2001

Conditions of Approval/Application for Permit to Drill:
1. A 12-mil minimum thickness synthetic pit liner is required.
2. Berms and diversions to protect the location and spoil piles and control erosion and pollution.
3. Dust suppression while air drilling.
4. Site infrastructure placement as per drilling location plat.

Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	0
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud	15	
Fluid containing significant levels of hazardous constituents	20	0
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	5
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

Final Score 15 (Level II Sensitivity)

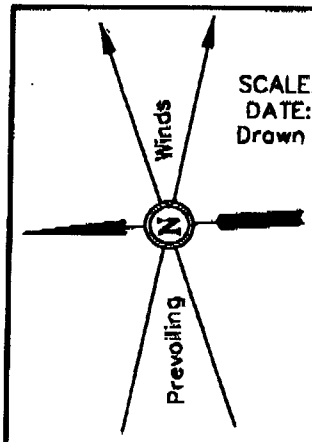
Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

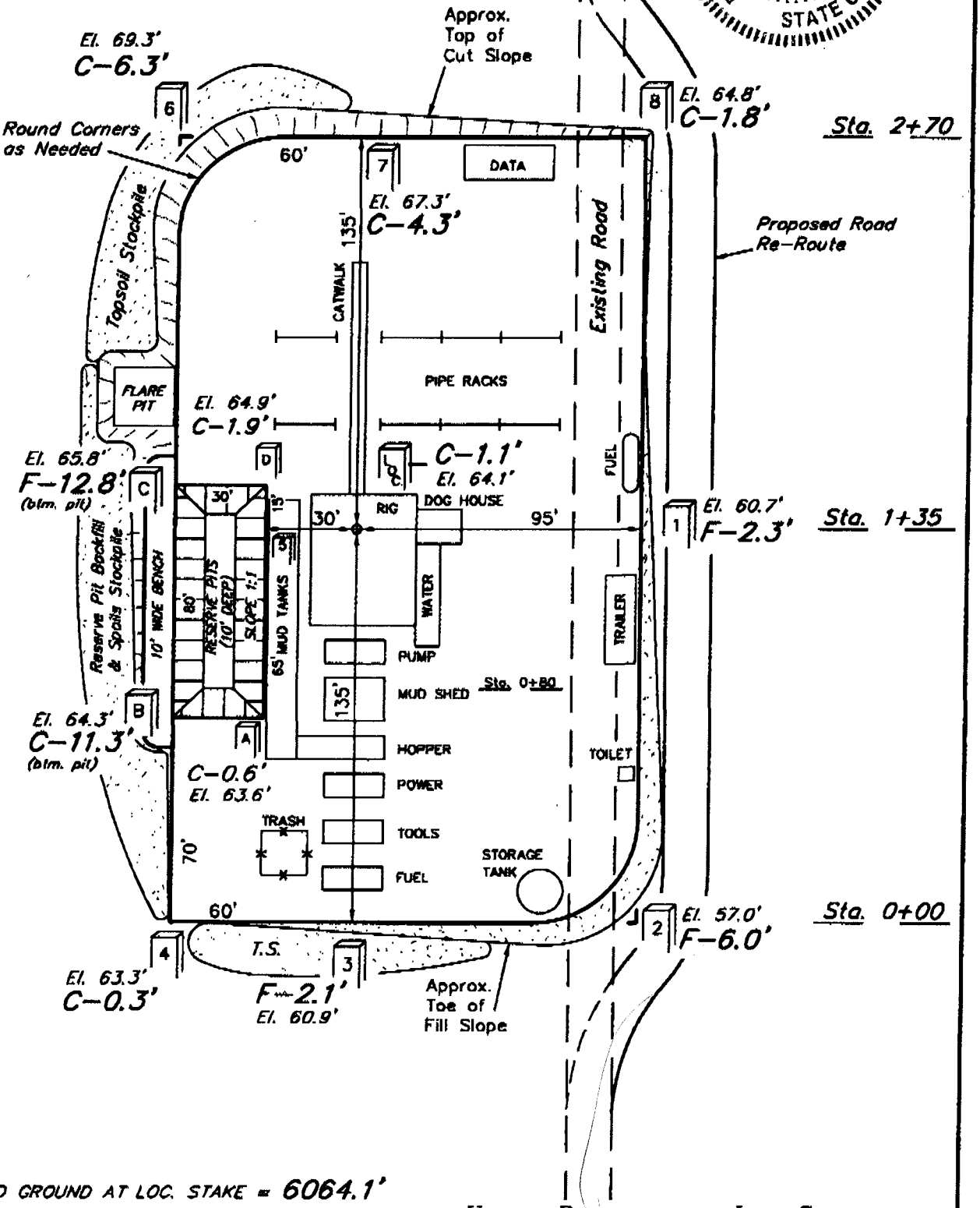
ANADARKO PETROLEUM CORP.

LOCATION LAYOUT FOR

GOODAL #A-1
SECTION 6, T14S, R11E, S.L.B.&M.
1328' FSL 1023' FWL

SCALE: 1" = 50'
DATE: 4-19-01
Drawn By: D.COX





NOTE:
Pit Capacity with 2' of Freeboard = 1,770 Bbls.

ELEV. UNGRADED GROUND AT LOC. STAKE = 6064.1'

ELEV. GRADED GROUND AT LOC. STAKE = 6063.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

ANADARKO PETROLEUM CORP.

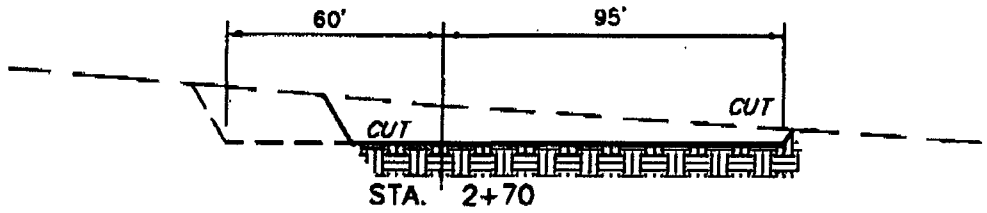
TYPICAL CROSS SECTIONS FOR

GOODAL #A-1
SECTION 6, T14S, R11E, S.L.B.&M.
1328' FSL 1023' FWL

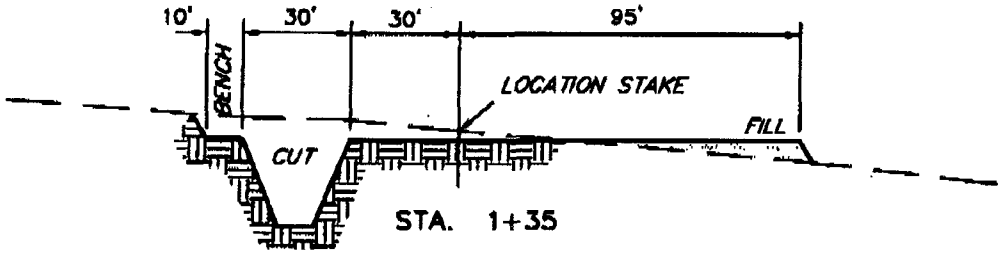
REGISTERED LAND SURVEYOR No. 161319 STATE OF UTAH

1" = 20' X-Section Scale
1" = 50'

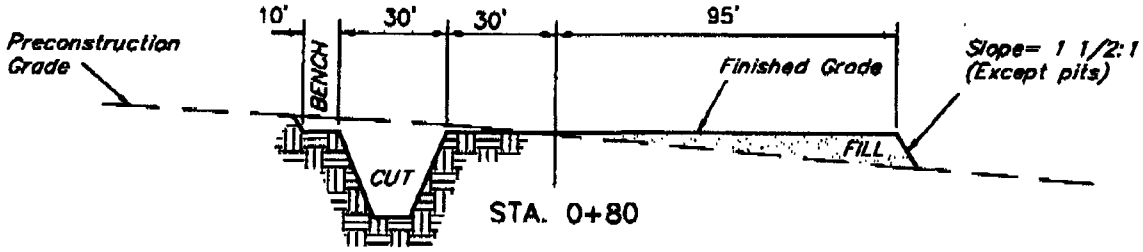
DATE: 4-19-01
Drawn By: D.COX



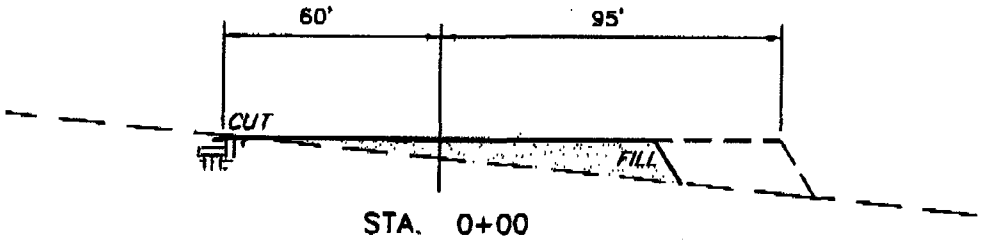
STA. 2+70



STA. 1+35



STA. 0+80



STA. 0+00

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	= 800	Cu. Yds.
Remaining Location	= 2,140	Cu. Yds.
TOTAL CUT	= 2,940	CU.YDS.
FILL	= 1,780	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,070	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,070	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0	Cu. Yds.

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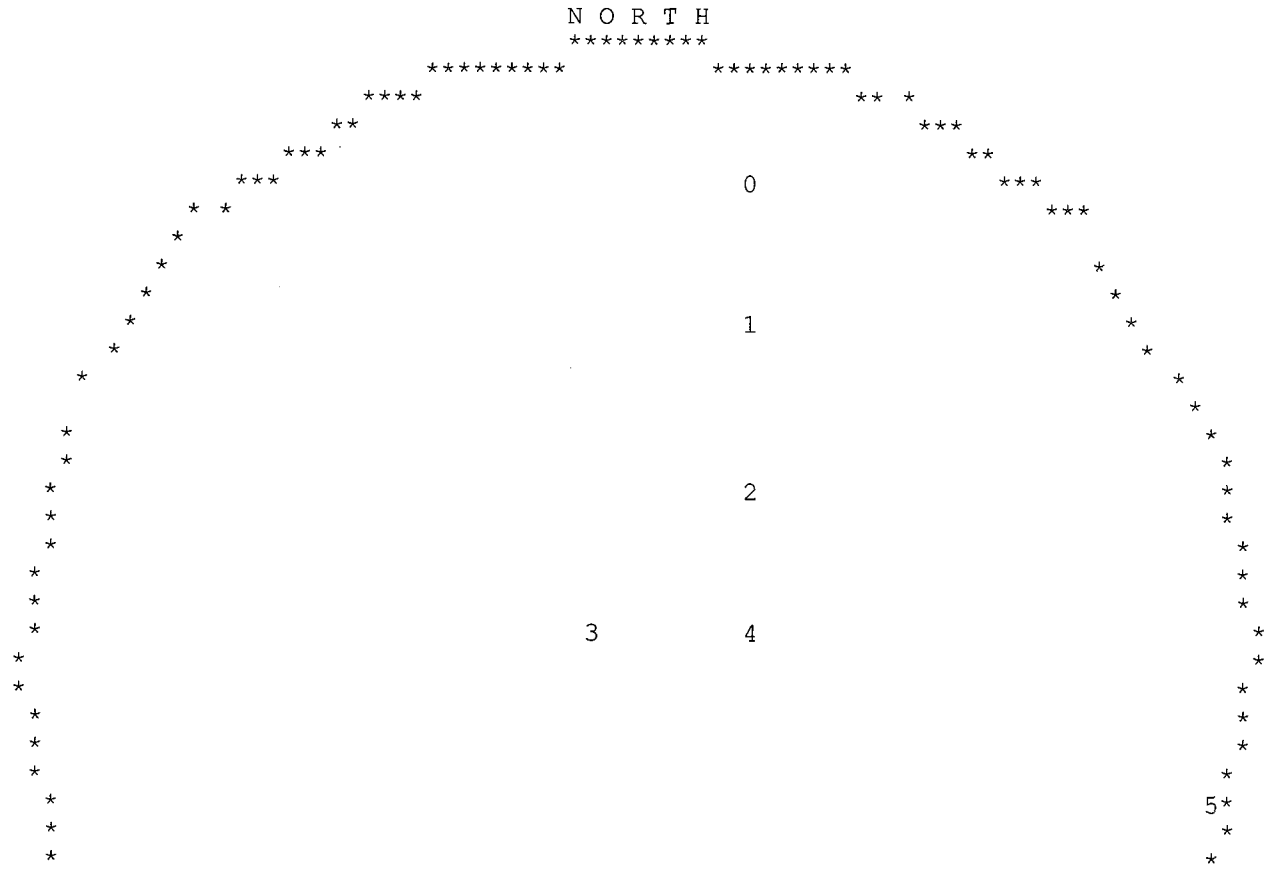
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, APR 30, 2001, 4:52 PM
PLOT SHOWS LOCATION OF 10 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 5280 FEET FROM A POINT
N 3128 FEET, E 1023 FEET OF THE SW CORNER,
SECTION 6 TOWNSHIP 14S RANGE 11E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET

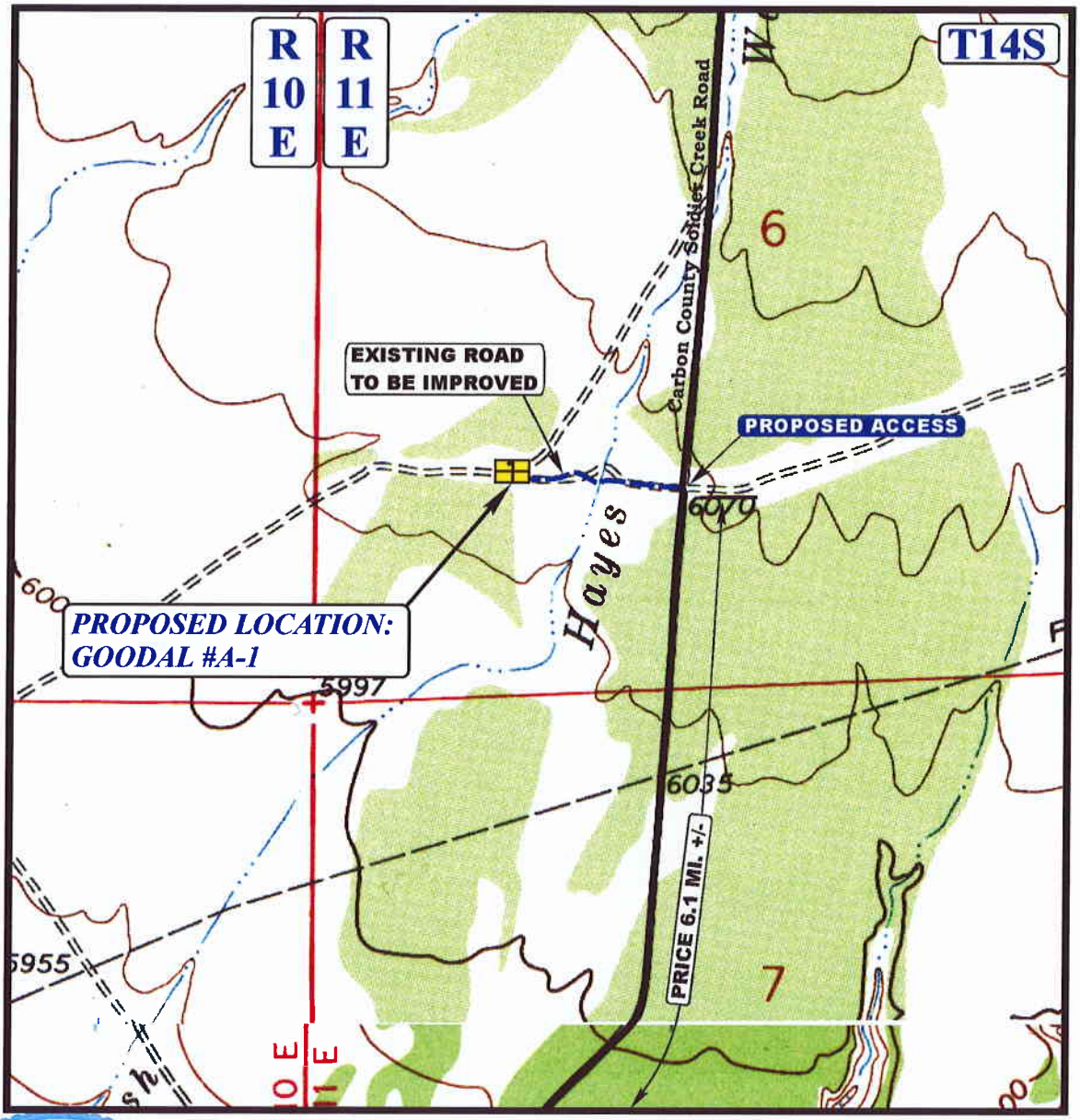


ANADARKO PETROLEUM CORP.

GOODAL #A-1

PROPOSED COUNTY ROAD ACCESS

LOCATED IN CARBON COUNTY, UTAH
SECTION 6, T14S, R11E, S.L.B.&M.



RESPONSIBLE ENGINEER
5-15-01

CONTENTS	
GENERAL NOTES	SHEET 1
GEOMETRIC STANDARDS	SHEET 2
CULVERT DETAIL	SHEET 3
PLAN & PROFILE	SHEET P1
CROSS SECTIONS	SHEETS C1-C2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

N

TOPOGRAPHIC MAP	5 MONTH	15 DAY	01 YEAR	ROAD TOPO
SCALE: 1" = 1000'	DRAWN BY: A.C.	REVISED: 00-00-00		

GENERAL NOTES:

All construction practices must conform to current BLM, AASHTO, and Carbon County Road standards.

All materials for construction of the complete project including but not limited to rip-rap, water for dust control and compaction, culverts, bedding materials for culverts, surface course gravel, signs, etc. are to be provided by the contractor at his bid price unless other arrangements are made.

Uintah Engineering and Land Surveying assumes no liability written or implied as to the location of pipelines or cable lines in the vicinity of this road design. Blue stakes (Public lines) and or the owner of the transportation line (Private/Corporate lines) must be contacted for identification and location before construction begins. Transportation lines that may be identified on these plans may not be the only transportation lines in the vicinity of the road. These plans are not intended to be used to identify the location of transportation lines. Extreme caution shall be used when constructing road near or over transportation lines.

EXPLANATIONS:

PLAN & PROFILE SHEETS

Plan & Profile sheets show the horizontal and vertical alignment of the road, sign placement if any, turnout placement if any, estimated culvert placements and sizes, estimated wing ditches, horizontal and vertical curve data, and the percent super for construction of horizontal curves.

Road Widths - Where Curve-Widening, Fill-Widening, & Turnouts are required approximate widths have been indicated. These widths supersede the Typical Cross Section.

CROSS SECTION SHEETS

C/L Stakes - These stakes have been set on the ground with stations written thereon. The cut "C" or fill "F" shown on the cross section sheets show the cut "C" or fill "F" from the preconstruction ground at the C/L stake - to the finished road C/L at the top of the sub-grade.

Finished Cross Section Elevations & Catch Points - The finished sub-grade C/L elevation is shown at the C/L on each Cross Section. Catch points are shown at each side of the Finished Cross Section. They are marked with a distance left or right of the C/L with their elevation. Other elevations such as the bottom of ditch or the edge of fill subgrades are also shown.

SCOPE OF WORK:

SHAPING THE ROADWAY

The roadway is to be shaped to the dimensions shown on the "Geometric Standards" sheet included in this document. Care shall be given to insure that the travelway width is not less or significantly more than the dimensions given on the "Geometric Standards" sheet.

Top soil where present is to be peeled back during construction. Some over-excavation of cut slopes and bar ditches will provide needed material for road construction. Top soil will then be spread back over the cut and fill slopes and bar ditches. Cut and fill slopes will then be re-seeded.

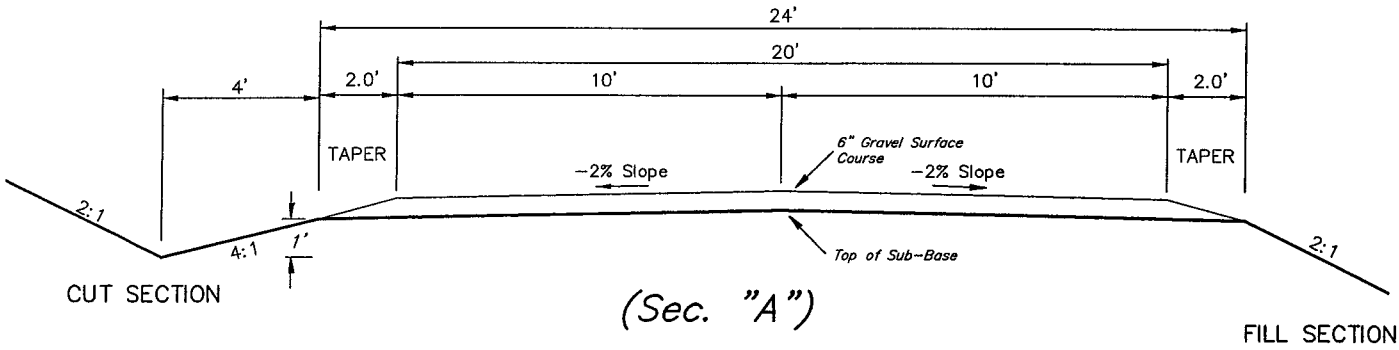
The road shall have a crown as shown on the "Geometric Standards" sheet to insure that water will drain off of the travelway surface.

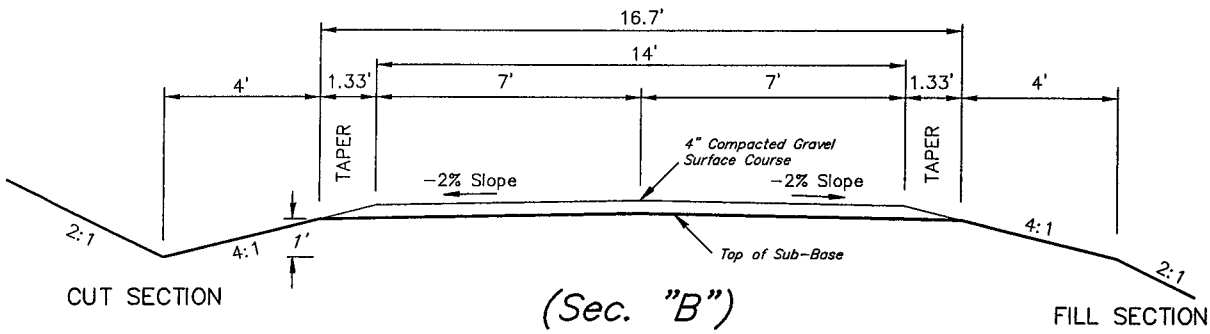
During construction, the contractor will follow all signing and flagging requirements as stated in the Manual of Uniform Traffic Control Devices 1988 edition.

GEOMETRIC STANDARDS FOR BUREAU ROADS (9113 ROADS)								
FUNCTIONAL CLASSIFICATION	EST 20 YR. ADT	TERRAIN	DESIGN SPEED		TRAVELWAY WIDTH		MAXIMUM GRADE	
			PREF.	MIN.	PREF.	MIN.	PREF.	MAX.
Resource	Less than 20	Level to Rolling	30	*	14	*	8	10
		Mountainous	15	*	14	*	8	16
		* Variance Allowed By The Chief, Branch of Engineering (State Office)						

TYPICAL CROSS SECTIONS

(for Proposed Access Road)





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85 So. 200 East Vernal, Utah

CULVERT CONSTRUCTION DETAILS

THE PLANS SHOW AN ESTIMATE OF THE NUMBER AND THE SIZE OF THE CULVERTS TO BE PLACED ON THE ROAD. THERE MAY NEED TO BE SOME FIELD ADJUSTMENTS MADE BY THE CONTRACTOR, BLM, AND/OR INSPECTOR/ENGINEER TO THE PLACEMENT AND LENGTH OF THE CULVERTS AND WING DITCHES.

CULVERT INGRESS AND EGRESS DITCH LENGTHS ARE TO BE DETERMINED DURING CONSTRUCTION. ALL DITCHES ARE TO BE CONSTRUCTED WITH SUFFICIENT SLOPE SO THAT WATER WILL EXIT THE DOWNSTREAM SIDE AND NOT POND IN THE DITCH.

ALL CULVERTS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT AN HS-20 LOADING OR HEAVIER. CHECK WITH MANUFACTURER FOR INFORMATION ABOUT MINIMUM COVER AND LOAD RATINGS. IN NO CASE SHALL COVER OVER CULVERTS BE LESS THAN 1'. CULVERT LENGTHS ARE ESTIMATED ON THE PLANS BUT THERE MAY NEED TO BE SOME ADJUSTMENTS MADE TO THE LENGTHS OF THE CULVERTS DURING CONSTRUCTION.

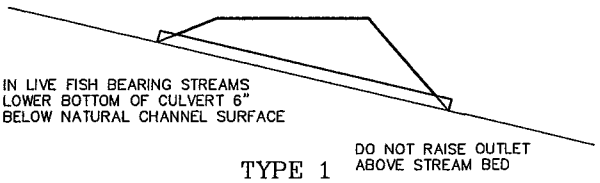
RIP-RAP WILL BE PLACED AT ALL CULVERT INLETS AND OUTLETS AND ALSO, WHERE SPECIFIED ON THE PLAN AND PROFILE SHEETS. RIP-RAP WILL BE SIZED DEPENDANT UPON PIPE DIAMETER AS SHOWN.

PIPE DIA. (Inches)	RIP-RAP SIZE
18-24	60% of stones shall be 8 inch diameter or larger
30-60	60% of stones shall be 1 foot in diamter or larger

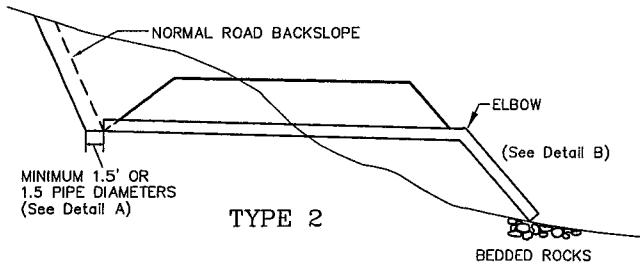
WHERE MULTIPLE CULVERTS ARE SPECIFIED ON THE PLANS, THERE SHALL BE NO LESS THAN THE FOLLOWING CLEARANCE BETWEEN THE CULVERTS.

PIPE DIA. (Inches)	CLEARANCE
UP TO 24	12 Inch
24 TO 72	1/2 PIPE DIA.
72 AND OVER	36 Inch

RIP RAP SHALL BE WELL GRADED WITH A SUFFICIENT AMOUNT OF SMALLER STONES UNIFORMLY DISTRIBUTED THOUGHOUT.



TYPE 1



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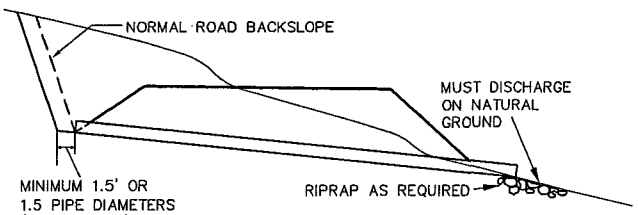

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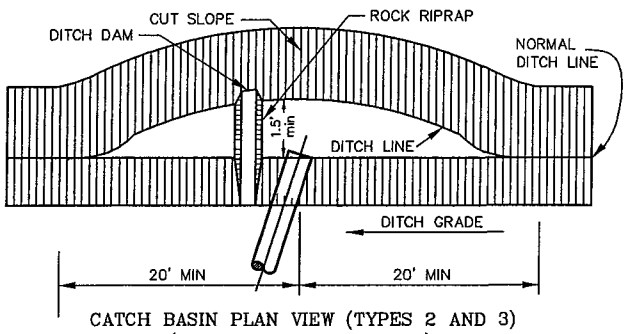
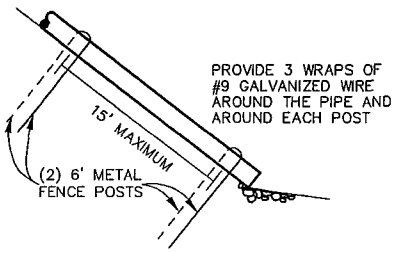


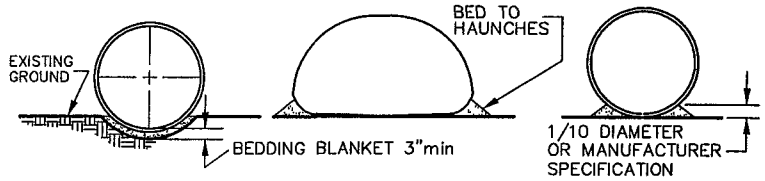
CATCH BASIN PLAN VIEW (TYPES 2 AND 3)
(DITCH DAM ONLY TYPE 1)

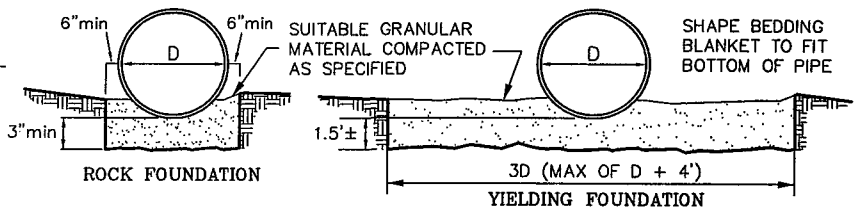
DETAIL A



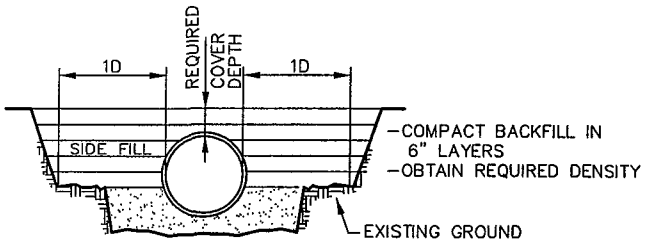
SPECIAL ANCHORING TYPE 2 DOWNDRAINS

DETAIL B

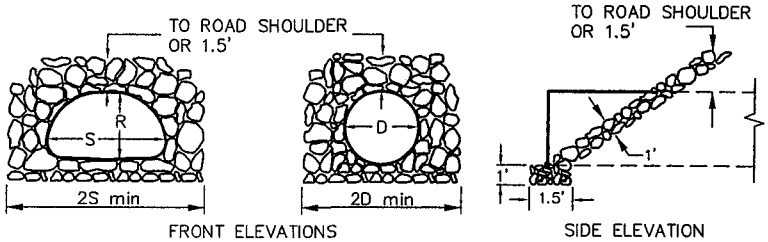




BEDDING DETAILS



BACKFILL DETAIL



FRONT ELEVATIONS

SIDE ELEVATION

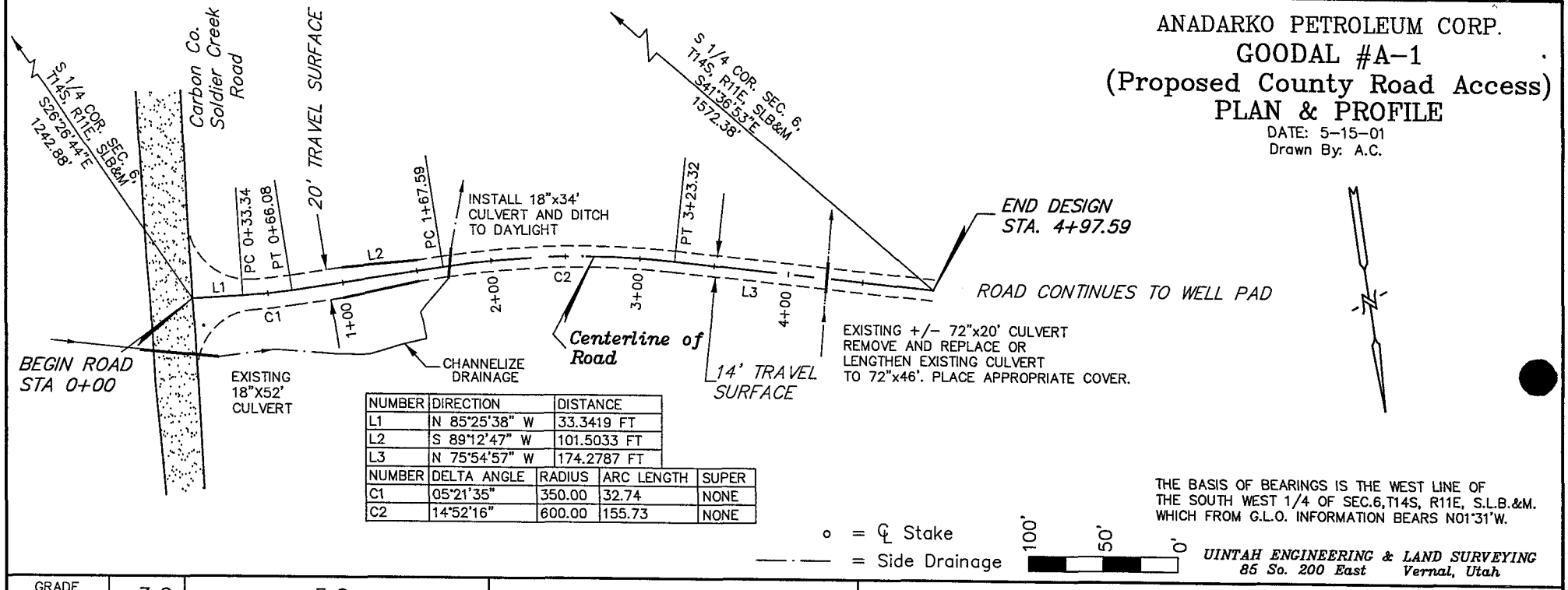
IN NARROW CHANNELS ADJUST RIPRAP TO FIT ORIGINAL STREAM BANKS.

RIP RAP DETAIL

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East Vernal, Utah

ANADARKO PETROLEUM CORP.
GOODAL #A-1
(Proposed County Road Access)
PLAN & PROFILE

DATE: 5-15-01
Drawn By: A.C.



NUMBER	DIRECTION	DISTANCE
L1	N 85°25'38" W	33.3419 FT
L2	S 89°12'47" W	101.5033 FT
L3	N 75°54'57" W	174.2787 FT

NUMBER	DELTA ANGLE	RADIUS	ARC LENGTH	SUPER
C1	05°21'35"	350.00	32.74	NONE
C2	14°52'16"	600.00	155.73	NONE

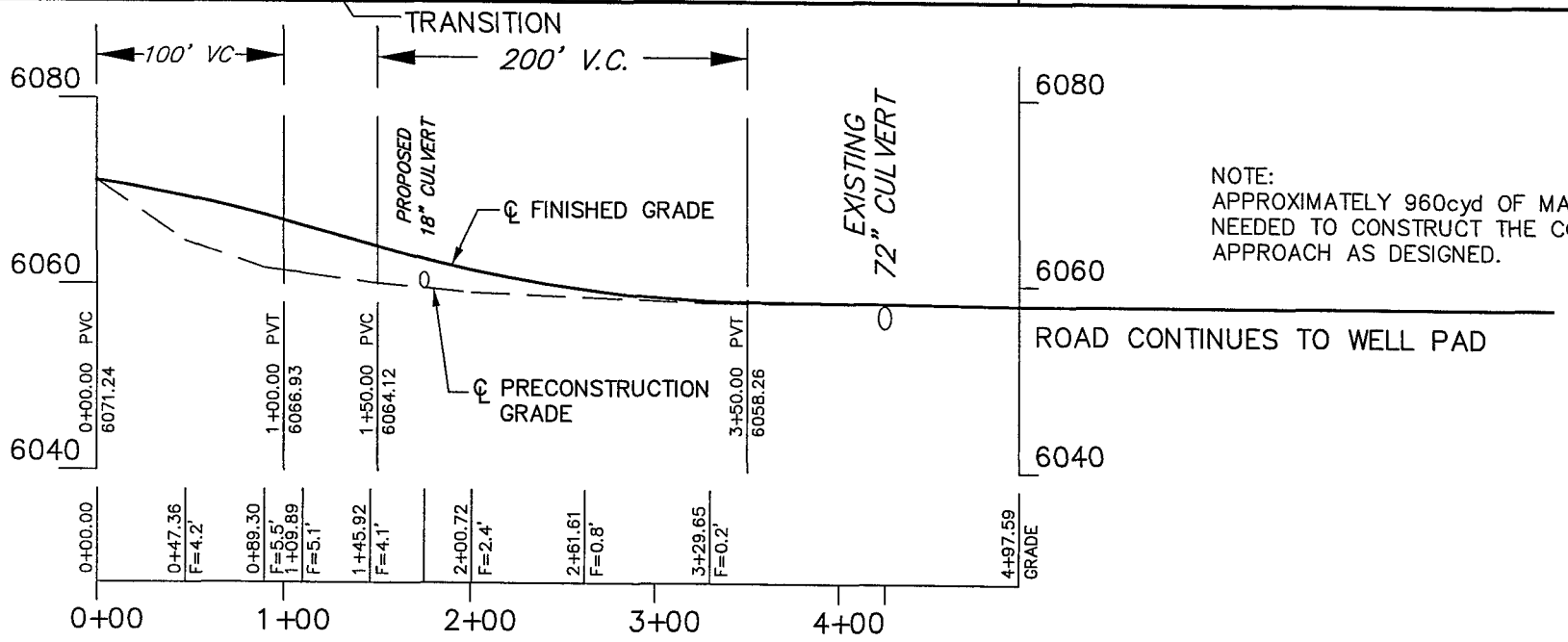
THE BASIS OF BEARINGS IS THE WEST LINE OF THE SOUTH WEST 1/4 OF SEC.6,T14S, R11E, S.L.B.&M. WHICH FROM G.L.O. INFORMATION BEARS N01°31'W.

o = ℄ Stake
—·— = Side Drainage

100' 50' 0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East Vernal, Utah

GRADE %	-3.0	-5.6	-0.1	ROAD CONTINUES
TYP. SECTION	"A"		"B"	



NOTE:
APPROXIMATELY 960cyd OF MATERIAL WILL BE NEEDED TO CONSTRUCT THE COUNTY ROAD APPROACH AS DESIGNED.

SHEET P-1

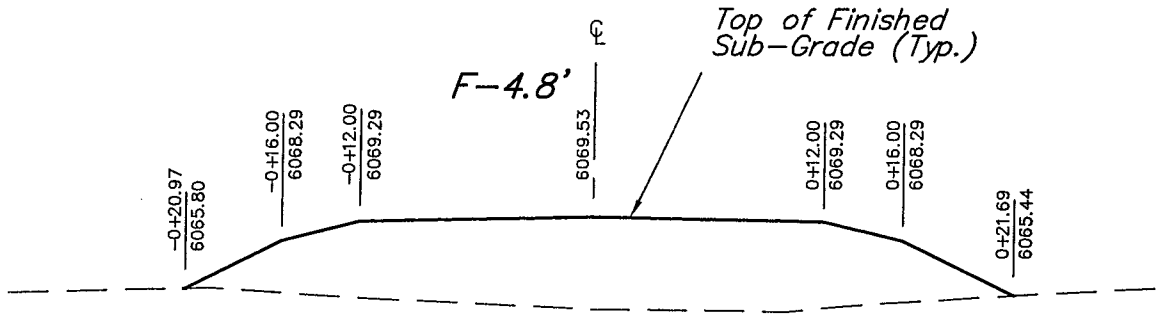
ANADARKO PETROLEUM CORP.

SHEET C-1

GOODAL #A-1
(PROPOSED COUNTY ROAD ACCESS)
CROSS SECTIONS

10' 5' 0' 10'

SCALE: HORIZONTAL & VERTICAL
DATE: 5-15-01
Drawn By: A.C.



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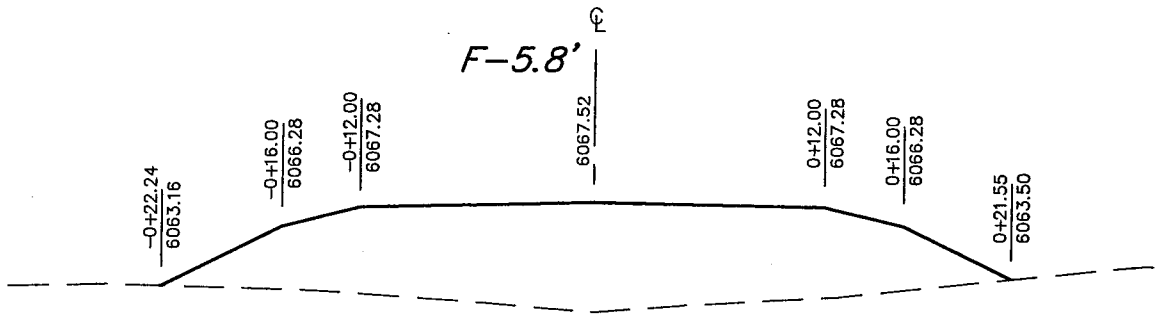
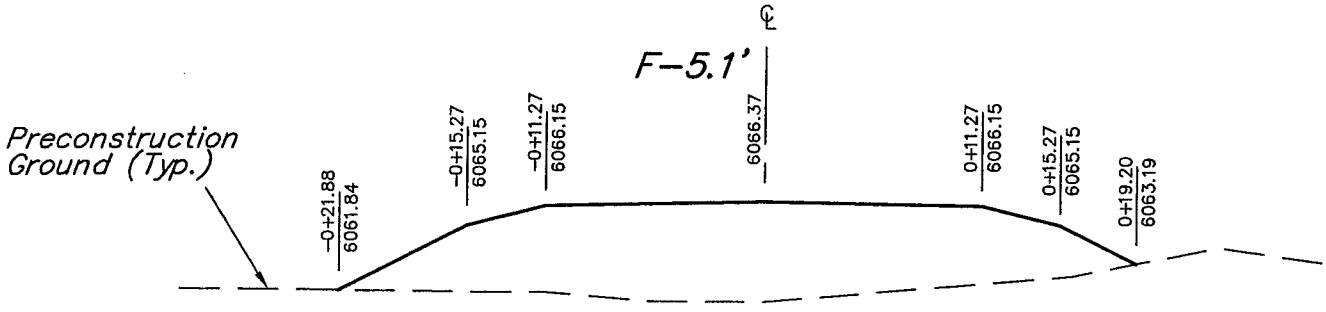


0+89.30



1+09.89

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East Vernal, Utah

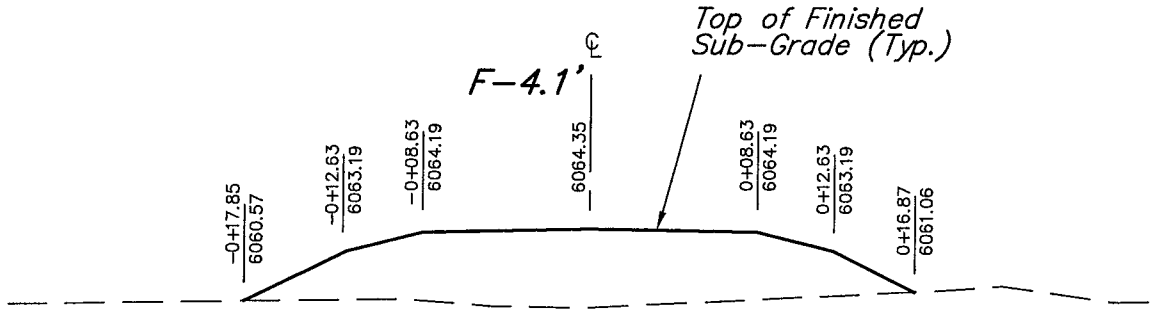
ANADARKO PETROLEUM CORP.

SHEET C-2

GOODAL #A-1
(PROPOSED COUNTY ROAD ACCESS)
CROSS SECTIONS

10' 5' 0' 10'

SCALE: HORIZONTAL & VERTICAL
DATE: 5-15-01
Drawn By: A.C.



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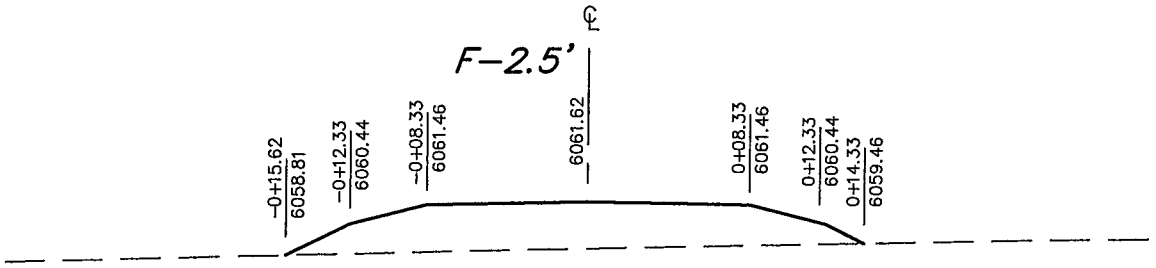

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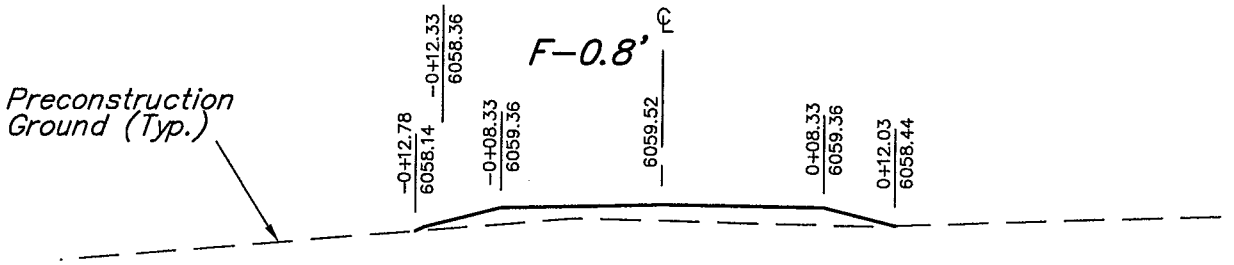
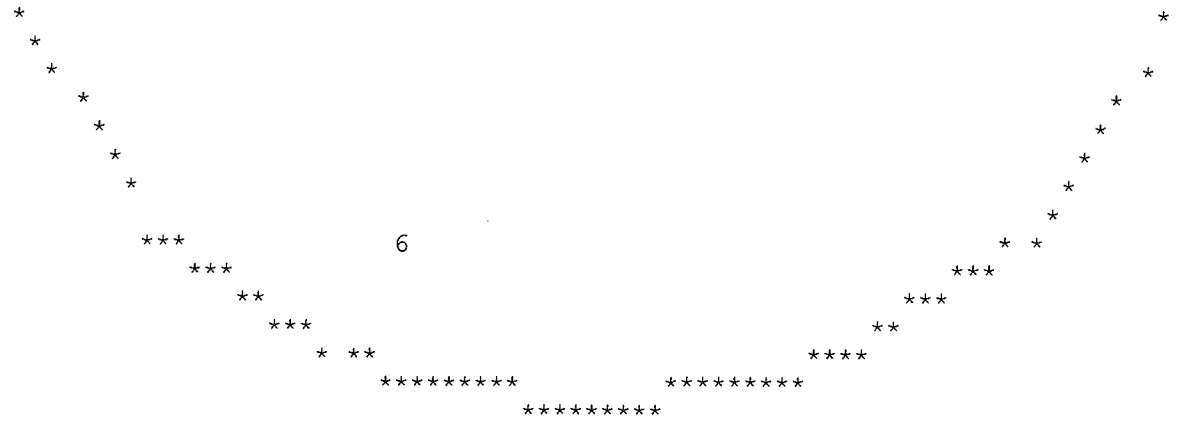


2+61.61

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East Vernal, Utah



UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	QUANTITY AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER	DEPTH	YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH	EAST	CNR	SEC	TWN	RNG	B&M
0	91 4718	.0000		.00 Hayes Wash									
	WATER USE(S): STOCKWATERING OTHER												
	USA Bureau of Land Management (Price Fie						125	South 600 West					
													Price
													PRIORITY DATE: 00/00/18
0	91 4717	.0000		.00 Deadman Creek									
	WATER USE(S): STOCKWATERING OTHER												
	USA Bureau of Land Management (Price Fie						125	South 600 West					
													Price
													PRIORITY DATE: 00/00/18
1	91 4718	.0000		.00 Hayes Wash									
	WATER USE(S): STOCKWATERING OTHER												
	USA Bureau of Land Management (Price Fie						125	South 600 West					
													Price
													PRIORITY DATE: 00/00/18
2	91 4716	.0000		.00 Hayes Wash									
	WATER USE(S): STOCKWATERING OTHER												
													PRIORITY DATE: 00/00/18

USA Bureau of Land Management (Price Fie 125 South 600 West Price

2 91 4779 .0000 .00 Deadman Creek
WATER USE(S): STOCKWATERING OTHER PRIORITY DATE: 00/00/18
USA Bureau of Land Management (Price Fie 125 South 600 West Price

2 91 4779 .0000 .00 Deadman Creek
WATER USE(S): STOCKWATERING OTHER PRIORITY DATE: 00/00/18
USA Bureau of Land Management (Price Fie 125 South 600 West Price

3 91 4715 .0000 .00 Deadman Creek
WATER USE(S): STOCKWATERING OTHER PRIORITY DATE: 00/00/18
USA Bureau of Land Management (Price Fie 125 South 600 West Price

4 91 4716 .0000 .00 Hayes Wash
WATER USE(S): STOCKWATERING OTHER PRIORITY DATE: 00/00/18
USA Bureau of Land Management (Price Fie 125 South 600 West Price

5 91 4565 .0000 .00 Unnamed Ephemeral Wash
WATER USE(S): STOCKWATERING OTHER PRIORITY DATE: 00/00/19
USA Bureau of Land Management (Price Fie 125 South 600 West Price

6 91 4714 .0000 .00 Hayes Wash
WATER USE(S): STOCKWATERING OTHER PRIORITY DATE: 00/00/18
USA Bureau of Land Management (Price Fie 125 South 600 West Price

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

July 10, 2001

Anadarko Petroleum Corporation
PO Box 1330
Houston, TX 77251-1330

Re: Goodall A-1 Well, 1328' FSL, 1023' FWL, NW SW, Sec. 6, T. 14 South, R. 11 East, Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30774.

Sincerely,

John R. Baza
Associate Director

er
Enclosures
cc: Carbon County Assessor

Operator: Anadarko Petroleum Corporation

Well Name & Number Goodall A-1

API Number: 43-007-30774

Lease: FEE

Location: NW SW **Sec.** 6 **T.** 14 South **R.** 11 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. Surface casing shall be cemented to surface.

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
~~UTU-45801~~ Fee

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or N

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other CONFIDENTIAL Coalbed Methane

8. Well Name and No.
Goodall A-1

2. Name of Operator
Anadarko Petroleum Corporation

9. API Well No.
43-007-30774

3a. Address
17001 Northchase Dr., Houston, Texas 77060

3b. Phone No. (*include area code*)
(281) 874-3441

10. Field and Pool, or Exploratory Area
HELPER CBM

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
Surface & BHL: 1328'FSL & 1023'FWL NWSW Sec. 6-T14S-R11E

11. County or Parish, State
Carbon County UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☒ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change hole size
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Please be advised casing will change from 5-1/2" to 7", 23#, N80 casing and the hole size will change from 7-7/8" to 8-3/4". The safety factors are as follows:
Collapse = 2.19
Burst = 3.63 (formation pressure)
Burst = 1.27 (frac pressure)

Thank you

COPY SENT TO OPERATOR
Date: 8/28/01
Initials: CHD

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 8/28/01
BY: Dustin Doucet

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*)
Jennifer Berlin

Title
Environmental Regulatory Analyst

Date 8/14/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

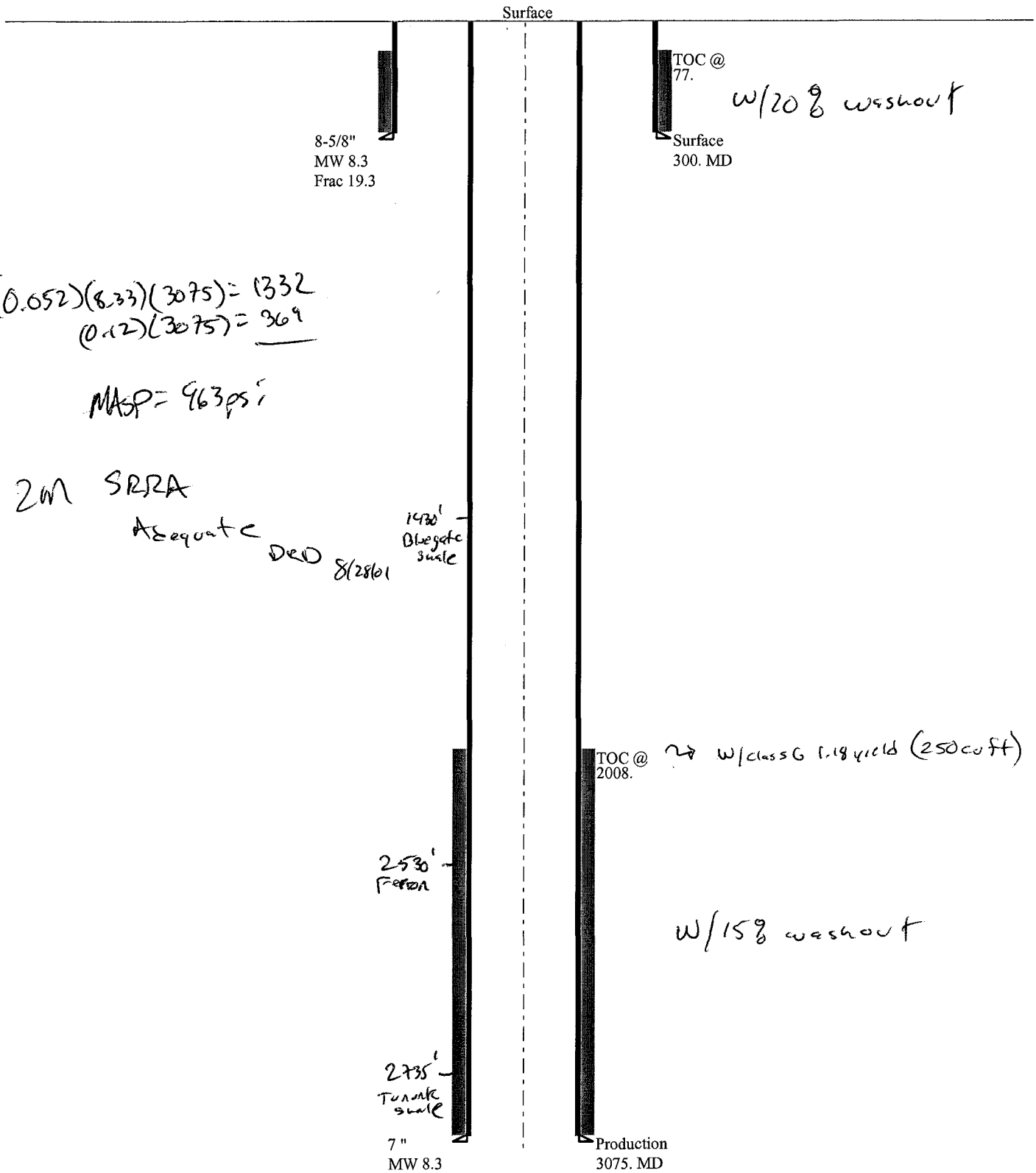
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

05-01 Anadarko Goodall A-Trev.

Casing Schematic

CONFIDENTIAL



CONFIDENTIAL

Well name:	**05-01 Anadarko Goodall A-1rev.**
Operator:	**Anadarko Petroleum Corp.**
String type:	Surface
Project ID:	43-007-30774
Location:	Carbon County, Utah

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 130 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 77 ft
see stip

Non-directional string.

Re subsequent strings:
Next setting depth: 3,075 ft
Next mud weight: 8.330 ppg
Next setting BHP: 1,331 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	130	1370	10.56	130	2950	22.73	7	244	33.90 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources
Phone: (801) 538-5281
FAX: (801)359-3940

Date: August 28,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS - Surface Cement Stip.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

CONFIDENTIAL

Well name: **05-01 Anadarko Goodall A-1rev.**
Operator: **Anadarko Petroleum Corp.**
String type: Production
Project ID: 43-007-30774
Location: Carbon County, Utah

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 1,331 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,690 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 2,008 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3075	7	23.00	N-80	LT&C	3075	3075	6.25	142.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1331	3830	2.88	1331	6340	4.76	71	442	6.25 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources
Phone: (801) 538-5281
FAX: (801)359-3940
Date: August 28,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS - Surface Cement Stip.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 3075 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
~~UTU-45801~~ Fee

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or N

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other CONFIDENTIAL Coalbed Methane

8. Well Name and No.
Goodall A-1

2. Name of Operator
Anadarko Petroleum Corporation

9. API Well No.
43-007-30774

3a. Address
17001 Northchase Dr., Houston, Texas 77060

3b. Phone No. *(include area code)*
(281) 874-3441

10. Field and Pool, or Exploratory Area
HELPER CBM

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Surface & BHL: 1328'FSL & 1023'FWL NWSW Sec. 6-T14S-R11E

11. County or Parish, State
Carbon County UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☒ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change hole size
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Please be advised casing will change from 5-1/2" to 7", 23#, N80 casing and the hole size will change from 7-7/8" to 8-3/4". The safety factors are as follows:
Collapse = 2.19
Burst = 3.63 (formation pressure)
Burst = 1.27 (frac pressure)

Thank you

COPY SENT TO OPERATOR
Date: 8/28/01
Initials: CHD

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING
DATE: 8/28/01
BY: CHD

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Jennifer Berlin

Title
Environmental Regulatory Analyst

Date 8/14/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

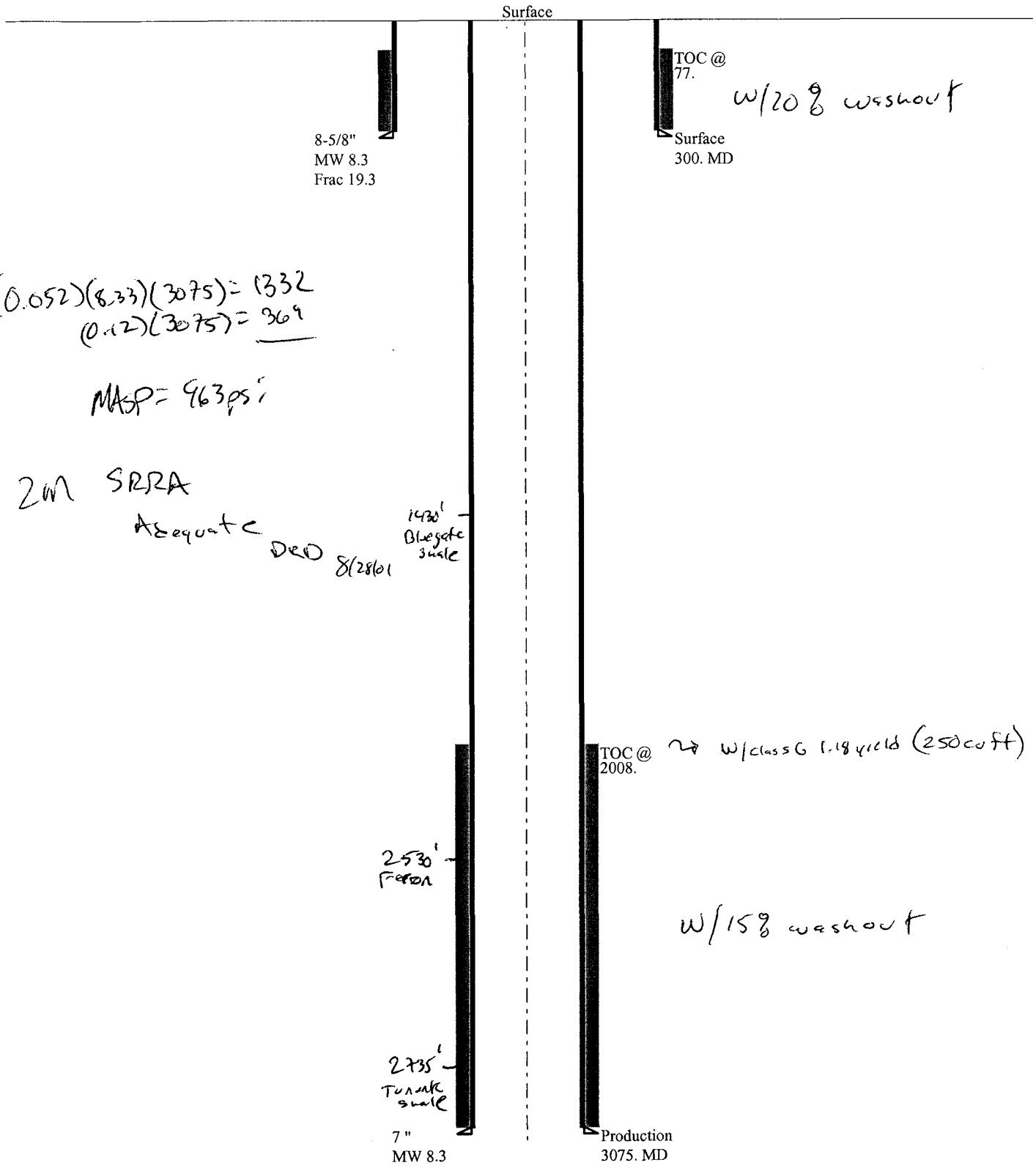
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

05-01 Anadarko Goodall A-Trev.

CONFIDENTIAL

Casing Schematic



CONFIDENTIAL

Well name:	**05-01 Anadarko Goodall A-1rev.**
Operator:	**Anadarko Petroleum Corp.**
String type:	Surface
Project ID:	43-007-30774
Location:	Carbon County, Utah

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 130 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 77 ft
see Stip

Non-directional string.

Re subsequent strings:
Next setting depth: 3,075 ft
Next mud weight: 8.330 ppg
Next setting BHP: 1,331 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	130	1370	10.56	130	2950	22.73	7	244	33.90 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources
Phone: (801) 538-5281
FAX: (801)359-3940
Date: August 28,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS - Surface Cement Stip.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

CONFIDENTIAL

Well name:	**05-01 Anadarko Goodall A-1rev.**
Operator:	**Anadarko Petroleum Corp.**
String type:	Production
Project ID:	43-007-30774
Location:	Carbon County, Utah

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 1,331 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.
Neutral point: 2,690 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 2,008 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3075	7	23.00	N-80	LT&C	3075	3075	6.25	142.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1331	3830	2.88	1331	6340	4.76	71	442	6.25 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources
Phone: (801) 538-5281
FAX: (801)359-3940
Date: August 28,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS - Surface Cement Stip.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 3075 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: ANADARKO PETROLEUM CORP

Well Name: GOODALL A-1

Api No.. 43-007-30774 LEASE TYPE: FEE

Section 06 Township 14S Range 11E County CARBON

Drilling Contractor BOB BEAMAN RIG # AIR

SPUDDED:

Date 10/08/2001

Time 2:00 PM

How ROTARY

Drilling will commence

Reported by SHORTY ALLRED

Telephone # 1-435-820-8110

Date 10/10/2001 Signed: CHD

RECEIVED

OCT 16 2001

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Anadarko Petroleum Corporation

Operator Account Number: N 0035

Address: 17001 Northchase Drive

city Houston

state TX zip 77060

Phone Number: (281) 874-3441

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
43-007-30678	Helper Federal A-7	SWNW	22	13S	10E	Carbon

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	13346	10/06/01	10-16-01

Comments: 10-16-01 CONFIDENTIAL

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
43-007-30781	Hausknecht A-1	NWNW	21	13S	10E	Carbon

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	13347	10/04/01	10-16-01

Comments: 10-16-01 CONFIDENTIAL

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
43-007-30774	Goodall A-1	NWSW	6	14S	11E	Carbon

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	13348	10/08/01	10-16-01

Comments: 10-16-01 CONFIDENTIAL

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

Jennifer Berlin
Name (Please Print)

Signature

Environmental Regulatory Analyst
Title

10/10/2001
Date

(5/2000)

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER CBM

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Anadarko Petroleum Corporation

3. ADDRESS OF OPERATOR: P O Box 1330 CITY Houston STATE TX ZIP 77251-1330 PHONE NUMBER: (832) 636-3315

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1328 FSL x 1023 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: Same As Above

CONFIDENTIAL PERIOD EXPIRED ON 12-3-02

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
7. UNIT or CA AGREEMENT NAME: n/a
8. WELL NAME and NUMBER: Goodall A-1
9. API NUMBER: 4300730774
10 FIELD AND POOL, OR WILDCAT: Helper/Ferron
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 6 14S 11E
12. COUNTY: Carbon
13. STATE: UTAH

14. DATE SPUDDED: 10/31/2001
15. DATE T.D. REACHED: 11/2/2001
16. DATE COMPLETED: 11/3/2001 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 6064 GL

18. TOTAL DEPTH: MD 2,440 TVD
19. PLUG BACK T.D.: MD 2,210 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? * N/A
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
✓GR, CCL, CBL 5-28-02 ✓CD,CN,GR – 12-3-01

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	8 5/8 J55	24#		311		141			
8 3/4	7 N80	23#		2,234		160			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	2,178							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Ferron	2,128	2,138		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
[illegible]	.66	40	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
2128-2138	215000 GAL YF125 & 3512 GAL WF110 WITH 493750 16/30 sand

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

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MAY 28 2002
DIVISION OF OIL, GAS AND MINING

(5/2000) **(CONTINUED ON BACK)**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
1/28/2002		1/28/2002		24			0	0	118	flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
		35					0	0	118	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

zero gas

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Ferron	2,000

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Kristina Lee, JA Rohn Consulting 970-377-0016 TITLE Agent, Anadarko Petroleum Corporation

SIGNATURE Kristina Lee DATE 5/20/2002

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **4/1/2013**

FROM: (Old Operator):	**TO:** (New Operator):
N0035-Anadarko Petroleum Corporation	N3940- Anadarko E&P Onshore LLC
PO Box 173779	PO Box 173779
Denver, CO, 80214	Denver, CO 802014
Phone: 1 (720) 929-6000	Phone: 1 (720) 929-6000

CA No. **Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/9/2013
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/9/2013
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 4/10/2013
4a. Is the new operator registered in the State of Utah: _____ Business Number: 593715-0161
5a. (R649-9-2)Waste Management Plan has been received on: Yes
5b. Inspections of LA PA state/fee well sites complete on: 4/10/2013
5c. Reports current for Production/Disposition & Sundries on: 4/10/2013
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/2/2013 BIA N/A
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 4/10/2013

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 4/11/2013
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/11/2013
3. Bond information entered in RBDMS on: 4/10/2013
4. Fee/State wells attached to bond in RBDMS on: 4/11/2013
5. Injection Projects to new operator in RBDMS on: 4/11/2013
6. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: WYB000291
2. Indian well(s) covered by Bond Number: N/A
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 22013542
3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 4/11/2013

COMMENTS:

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: See Wells

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER CBM Wells

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR: Anadarko Petroleum Corporation

9. API NUMBER: See Wells

3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217

PHONE NUMBER: (720) 929-6000

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 4/8/2013	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator is requesting authorization to transfer the wells from Anadarko Petroleum Corporation and Anadarko Production Company to Anadarko E&P Onshore, LLC. Please see the attached list of 181 wells that are currently filed under Anadarko Petroleum Corporation and Anadarko Production Company. The state/fee wells will be under bond number 22013542, and the federal wells will be under bond number WYB000291.

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Effective 4/1/13

APR 09 2013

Please contact the undersigned if there are any questions.

DIV. OF OIL, GAS & MINING

Jaime Scharnowske
Regulatory Analyst

Anadarko Petroleum Corporation N0035
P.O. Box 173779
Denver, CO 80214
(720) 929-6000

Jaime Scharnowske
Regulatory Analyst

Anadarko E&P Onshore, LLC N3940
P.O. Box 173779
Denver, CO 80214
(720) 929-6000

NAME (PLEASE PRINT) Jaime Scharnowske TITLE Regulatory Analyst

SIGNATURE Jaime Scharnowske DATE 4/8/2013

(This space for State use only)

APPROVED

APR 11 2013

DIV. OIL GAS & MINING

Rachel Medina

(5/2000) (See Instructions on Reverse Side)

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective 1 April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER ST SWD 1	03	140S	100E	4300730361	12258	State	WD	A
FED F-2 SWD	08	140S	100E	4300730555	12557	Federal	WD	A
CLAWSON SPRING ST SWD 4	13	160S	080E	4301530477	12979	State	WD	A
CLAWSON SPRING ST SWD 1	36	150S	080E	4300730721	12832	State	WD	I
HELPER FED B-1	33	130S	100E	4300730189	11537	Federal	GW	P
HELPER FED A-1	23	130S	100E	4300730190	11517	Federal	GW	P
HELPER FED A-3	22	130S	100E	4300730213	11700	Federal	GW	P
HELPER FED C-1	22	130S	100E	4300730214	11702	Federal	GW	P
HELPER FED B-5	27	130S	100E	4300730215	11701	Federal	GW	P
HELPER FED A-2	22	130S	100E	4300730216	11699	Federal	GW	P
HELPER FED D-1	26	130S	100E	4300730286	12061	Federal	GW	P
BIRCH A-1	05	140S	100E	4300730348	12120	Fee	GW	P
HELPER ST A-1	03	140S	100E	4300730349	12122	State	GW	P
HELPER ST D-7	04	140S	100E	4300730350	12121	State	GW	P
CHUBBUCK A-1	31	130S	100E	4300730352	12397	Fee	GW	P
VEA A-1	32	130S	100E	4300730353	12381	Fee	GW	P
VEA A-2	32	130S	100E	4300730354	12483	Fee	GW	P
VEA A-3	32	130S	100E	4300730355	12398	Fee	GW	P
VEA A-4	32	130S	100E	4300730356	12482	Fee	GW	P
HELPER ST A-8	02	140S	100E	4300730357	12257	State	GW	P
HELPER ST A-3	02	140S	100E	4300730358	12254	State	GW	P
HELPER ST A-4	02	140S	100E	4300730359	12255	State	GW	P
HELPER ST A-7	02	140S	100E	4300730360	12256	State	GW	P
HELPER ST A-2	03	140S	100E	4300730362	12232	State	GW	P
HELPER ST A-5	03	140S	100E	4300730363	12231	State	GW	P
HELPER ST A-6	03	140S	100E	4300730364	12233	State	GW	P
HELPER ST D-4	04	140S	100E	4300730365	12228	State	GW	P
HELPER ST D-3	05	140S	100E	4300730366	12184	State	GW	P
HELPER ST D-5	04	140S	100E	4300730367	12226	State	GW	P
HELPER ST D-8	04	140S	100E	4300730368	12229	State	GW	P
HELPER ST D-2	05	140S	100E	4300730369	12481	State	GW	P
HELPER ST D-6	05	140S	100E	4300730370	12234	State	GW	P
HELPER ST D-1	06	140S	100E	4300730371	12399	State	GW	P
BIRCH A-2	08	140S	100E	4300730372	12189	Fee	GW	P
HELPER ST A-9	10	140S	100E	4300730373	12230	State	GW	P
HELPER ST B-1	09	140S	100E	4300730376	12227	State	GW	P
HELPER FED F-3	08	140S	100E	4300730378	12252	Federal	GW	P
HELPER FED F-4	09	140S	100E	4300730379	12253	Federal	GW	P
HELPER ST A-10	10	140S	100E	4300730433	12488	State	GW	P
HELPER ST A-11	11	140S	100E	4300730434	12487	State	GW	P
HELPER ST A-12	10	140S	100E	4300730435	12486	State	GW	P
HELPER ST A-13	10	140S	100E	4300730436	12485	State	GW	P
HELPER ST B-2	09	140S	100E	4300730437	12484	State	GW	P
HELPER FED E-7	19	130S	100E	4300730508	13623	Federal	GW	P
HELPER FED B-2	33	130S	100E	4300730530	12619	Federal	GW	P
HELPER FED B-3	33	130S	100E	4300730531	12622	Federal	GW	P
HELPER FED B-4	33	130S	100E	4300730532	12623	Federal	GW	P
HELPER FED B-6	27	130S	100E	4300730533	12644	Federal	GW	P
HELPER FED B-7	27	130S	100E	4300730534	12645	Federal	GW	P
HELPER FED B-8	27	130S	100E	4300730535	12631	Federal	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER FED B-9	34	130S	100E	4300730536	12646	Federal	GW	P
HELPER FED B-10	34	130S	100E	4300730537	12626	Federal	GW	P
HELPER FED B-11	34	130S	100E	4300730538	12628	Federal	GW	P
HELPER FED B-12	34	130S	100E	4300730539	12627	Federal	GW	P
HELPER FED B-13	28	130S	100E	4300730540	12621	Federal	GW	P
HELPER FED B-14	28	130S	100E	4300730541	12620	Federal	GW	P
HELPER FED D-2	26	130S	100E	4300730542	12650	Federal	GW	P
HELPER FED D-3	26	130S	100E	4300730543	12634	Federal	GW	P
HELPER FED D-4	35	130S	100E	4300730544	12625	Federal	GW	P
HELPER FED D-5	35	130S	100E	4300730545	12637	Federal	GW	P
HELPER FED D-6	35	130S	100E	4300730546	12635	Federal	GW	P
HELPER FED E-1	29	130S	100E	4300730547	13246	Federal	GW	P
HELPER FED E-2	29	130S	100E	4300730548	12636	Federal	GW	P
HELPER FED H-1	01	140S	100E	4300730549	12653	Federal	GW	P
HELPER FED H-2	01	140S	100E	4300730550	12647	Federal	GW	P
OLIVETO FED A-2	08	140S	100E	4300730556	12630	Federal	GW	P
HELPER FED F-1	08	140S	100E	4300730557	12629	Federal	GW	P
SMITH FED A-1	09	140S	100E	4300730558	13004	Federal	GW	P
SE INVESTMENTS A-1	06	140S	100E	4300730570	12624	Fee	GW	P
HELPER ST A-14	11	140S	100E	4300730571	12612	State	GW	P
HELPER ST A-15	11	140S	100E	4300730572	12613	State	GW	P
HELPER ST E-1	36	130S	100E	4300730573	12615	State	GW	P
HELPER ST E-2	36	130S	100E	4300730574	12614	State	GW	P
HARMOND A-1	07	140S	100E	4300730586	12616	Fee	GW	P
HELPER ST E-3	36	130S	100E	4300730592	12868	State	GW	P
HELPER FED A-6	23	130S	100E	4300730593	12649	Federal	GW	P
HELPER FED D-7	26	130S	100E	4300730594	12651	Federal	GW	P
HELPER FED D-8	35	130S	100E	4300730595	12652	Federal	GW	P
CLAWSON SPRING ST A-1	36	150S	080E	4300730597	12618	State	GW	P
HELPER ST E-4	36	130S	100E	4300730598	12825	State	GW	P
HELPER ST A-16	11	140S	100E	4300730603	12638	State	GW	P
CHUBBUCK A-2	06	140S	100E	4300730604	12648	Fee	GW	P
CLAWSON SPRING ST A-2	36	150S	080E	4300730635	12856	State	GW	P
CLAWSON SPRING ST A-3	36	150S	080E	4300730636	13001	State	GW	P
CLAWSON SPRING ST A-4	36	150S	080E	4300730637	12844	State	GW	P
CLAWSON SPRING ST D-5	31	150S	090E	4300730642	12852	State	GW	P
CLAWSON SPRING ST D-6	31	150S	090E	4300730643	12847	State	GW	P
CLAWSON SPRING ST D-7	31	150S	090E	4300730644	12849	State	GW	P
HELPER FED A-5	23	130S	100E	4300730677	13010	Federal	GW	P
HELPER FED A-7	22	130S	100E	4300730678	13346	Federal	GW	P
HELPER FED B-15	28	130S	100E	4300730679	13015	Federal	GW	P
HELPER FED B-16	28	130S	100E	4300730680	13203	Federal	GW	P
HELPER FED C-2	24	130S	100E	4300730681	13016	Federal	GW	P
HELPER FED C-4	24	130S	100E	4300730682	13012	Federal	GW	P
HELPER FED C-7	21	130S	100E	4300730684	13204	Federal	GW	P
HELPER FED D-9	25	130S	100E	4300730685	13245	Federal	GW	P
HELPER FED D-10	25	130S	100E	4300730686	12993	Federal	GW	P
HELPER FED D-11	25	130S	100E	4300730687	12992	Federal	GW	P
HELPER FED D-12	25	130S	100E	4300730688	13005	Federal	GW	P
HELPER FED E-4	29	130S	100E	4300730689	13229	Federal	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER FED A-4	23	130S	100E	4300730692	13009	Federal	GW	P
HELPER FED C-5	24	130S	100E	4300730693	13013	Federal	GW	P
HELPER FED G-1	30	130S	110E	4300730694	13006	Federal	GW	P
HELPER FED G-2	30	130S	110E	4300730695	13007	Federal	GW	P
HELPER FED G-3	31	130S	110E	4300730696	13002	Federal	GW	P
HELPER FED G-4	31	130S	110E	4300730697	13003	Federal	GW	P
HELPER FED H-3	01	140S	100E	4300730698	12831	Federal	GW	P
HELPER FED H-4	01	140S	100E	4300730699	12833	Federal	GW	P
CLAWSON SPRING ST D-8	31	150S	090E	4300730701	12851	State	GW	P
HELPER FED C-3	24	130S	100E	4300730702	13011	Federal	GW	P
CLAWSON SPRING ST J-1	35	150S	080E	4300730726	13299	Fee	GW	P
PIERUCCI 1	35	150S	080E	4300730727	13325	Fee	GW	P
POTTER ETAL 1	35	150S	080E	4300730728	12958	Fee	GW	P
POTTER ETAL 2	35	150S	080E	4300730737	12959	Fee	GW	P
HELPER FED G-5	30	130S	110E	4300730770	13655	Federal	GW	P
HELPER FED G-6	30	130S	110E	4300730771	13656	Federal	GW	P
HELPER FED G-7	31	130S	110E	4300730772	13657	Federal	GW	P
HELPER FED G-8	31	130S	110E	4300730773	13658	Federal	GW	P
GOODALL A-1	06	140S	110E	4300730774	13348	Fee	GW	P
HELPER FED E-8	19	130S	100E	4300730776	13624	Federal	GW	P
HAUSKNECHT A-1	21	130S	100E	4300730781	13347	Fee	GW	P
HELPER FED E-9	19	130S	100E	4300730868	13628	Federal	GW	P
HELPER FED E-5	20	130S	100E	4300730869	13625	Federal	GW	P
HELPER FED E-6	20	130S	100E	4300730870	13631	Federal	GW	P
HELPER FED E-10	30	130S	100E	4300730871	13629	Federal	GW	P
SACCOMANNO A-1	30	130S	100E	4300730872	13622	Fee	GW	P
HELPER FED E-11	30	130S	100E	4300730873	13630	Federal	GW	P
BLACKHAWK A-2	29	130S	100E	4300730886	13783	Fee	GW	P
BLACKHAWK A-3	20	130S	100E	4300730914	13794	Fee	GW	P
BLACKHAWK A-4	21	130S	100E	4300730915	13795	Fee	GW	P
BLACKHAWK A-1X	20	130S	100E	4300730923	13798	Fee	GW	P
HELPER STATE 12-3	03	140S	100E	4300750070	17824	State	GW	P
HELPER STATE 32-3	03	140S	100E	4300750071	17827	State	GW	P
HELPER STATE 32-36	36	130S	100E	4300750072	17825	State	GW	P
VEA 32-32	32	130S	100E	4300750075	17826	Fee	GW	P
CLAWSON SPRING ST E-7	07	160S	090E	4301530392	12960	State	GW	P
CLAWSON SPRING ST E-8	07	160S	090E	4301530394	12964	State	GW	P
CLAWSON SPRING ST E-3	06	160S	090E	4301530403	12965	State	GW	P
CLAWSON SPRING ST E-1	06	160S	090E	4301530404	12966	State	GW	P
CLAWSON SPRING ST E-2	06	160S	090E	4301530405	12961	State	GW	P
CLAWSON SPRING ST E-4	06	160S	090E	4301530406	12962	State	GW	P
CLAWSON SPRING ST C-1	12	160S	080E	4301530410	12617	State	GW	P
CLAWSON SPRING ST B-1	01	160S	080E	4301530427	12845	State	GW	P
CLAWSON SPRING ST B-2	01	160S	080E	4301530428	12846	State	GW	P
CLAWSON SPRING ST B-3	01	160S	080E	4301530429	12848	State	GW	P
CLAWSON SPRING ST B-4	01	160S	080E	4301530430	12854	State	GW	P
CLAWSON SPRING ST B-5	12	160S	080E	4301530431	12963	State	GW	P
CLAWSON SPRING ST B-8	11	160S	080E	4301530432	12863	State	GW	P
CLAWSON SPRING ST B-9	11	160S	080E	4301530433	12864	State	GW	P
CLAWSON SPRING ST C-2	12	160S	080E	4301530434	12850	State	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
CLAWSON SPRING ST C-4	14	160S	080E	4301530435	13199	State	GW	P
CLAWSON SPRING ST B-7	11	160S	080E	4301530460	12967	State	GW	P
CLAWSON SPRING ST C-6	14	160S	080E	4301530461	13355	State	GW	P
CLAWSON SPRING ST C-3	12	160S	080E	4301530463	12968	State	GW	P
CLAWSON SPRING ST B-6	11	160S	080E	4301530465	12969	State	GW	P
CLAWSON SPRING ST H-1	13	160S	080E	4301530466	13323	State	GW	P
CLAWSON SPRING ST H-2	13	160S	080E	4301530467	12955	State	GW	P
CLAWSON SPRING ST IPA-1	10	160S	080E	4301530468	12956	Fee	GW	P
CLAWSON SPRING ST IPA-2	15	160S	080E	4301530469	13200	Fee	GW	P
CLAWSON SPRING ST E-5	07	160S	090E	4301530470	12971	State	GW	P
CLAWSON SPRING ST G-1	02	160S	080E	4301530471	13014	State	GW	P
CLAWSON SPRING ST F-2	03	160S	080E	4301530472	13282	State	GW	P
CLAWSON SPRING ST F-1	03	160S	080E	4301530473	13278	State	GW	P
CLAWSON SPRING ST E-6	07	160S	090E	4301530474	13052	State	GW	P
CLAWSON SPRING ST G-2	02	160S	080E	4301530475	12957	State	GW	P
CLAWSON SPRING ST M-1	02	160S	080E	4301530488	13201	State	GW	P
CLAWSON SPRING ST K-1	02	160S	080E	4301530489	13202	State	GW	P
SHIMMIN TRUST 3	14	120S	100E	4300730119	11096	Fee	GW	PA
SHIMMIN TRUST 1	11	120S	100E	4300730120	11096	Fee	GW	PA
SHIMMIN TRUST 2	14	120S	100E	4300730121	11096	Fee	GW	PA
SHIMMIN TRUST 4	11	120S	100E	4300730123	11096	Fee	GW	PA
ST 9-16	16	120S	100E	4300730132	11402	State	GW	PA
ST 2-16	16	120S	100E	4300730133	11399	State	GW	PA
MATTS SUMMIT ST A-1	14	120S	090E	4300730141	11273	State	GW	PA
SLEMAKER A-1	05	120S	120E	4300730158	11441	Fee	GW	PA
JENSEN 16-10	10	120S	100E	4300730161	11403	Fee	GW	PA
JENSEN 7-15	15	120S	100E	4300730165	11407	Fee	GW	PA
SHIMMIN TRUST 12-12	12	120S	100E	4300730168	11420	Fee	GW	PA
JENSEN 11-15	15	120S	100E	4300730175	11425	Fee	GW	PA
BRYNER A-1	11	120S	120E	4300730188	11503	Fee	GW	PA
BRYNER A-1X (RIG SKID)	11	120S	120E	4300730209	11503	Fee	GW	PA
BLACKHAWK A-1	20	130S	100E	4300730885	13798	Fee	D	PA
BLACKHAWK A-5H	20	130S	100E	4300731402	17029	Fee	D	PA
CLAWSON SPRING ST SWD 3	06	160S	090E	4301530476	12978	State	D	PA
HELPER FED C-6	21	130S	100E	4300730683	13008	Federal	GW	S
UTAH 10-415	10	160S	080E	4301530391	12632	State	GW	TA

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
1	4300730189	HELPER FED B-1	NESW	33	13S	10E	Federal	USA UTU 71392	Producing
2	4300730190	HELPER FED A-1	C-SW	23	13S	10E	Federal	USA UTU 58434	Producing
3	4300730213	HELPER FED A-3	SESE	22	13S	10E	Federal	USA UTU 58434	Producing
4	4300730214	HELPER FED C-1	SENE	22	13S	10E	Federal	USA UTU 71391	Producing
5	4300730215	HELPER FED B-5	NENE	27	13S	10E	Federal	USA UTU 71392	Producing
6	4300730216	HELPER FED A-2	NESW	22	13S	10E	Federal	USA UTU 58434	Producing
7	4300730286	HELPER FED D-1	SWNE	26	13S	10E	Federal	USA UTU 68315	Producing
8	4300730378	HELPER FED F-3	NENE	8	14S	10E	Federal	USA UTU 65762	Producing
9	4300730379	HELPER FED F-4	NWNW	9	14S	10E	Federal	USA UTU 65762	Producing
10	4300730508	HELPER FED E-7	SESE	19	13S	10E	Federal	USA UTU 77980	Producing
11	4300730530	HELPER FED B-2	SENW	33	13S	10E	Federal	USA UTU 71392	Producing
12	4300730531	HELPER FED B-3	NESE	33	13S	10E	Federal	USA UTU 71392	Producing
13	4300730532	HELPER FED B-4	NENE	33	13S	10E	Federal	USA UTU 71392	Producing
14	4300730533	HELPER FED B-6	NENW	27	13S	10E	Federal	USA UTU 71392	Producing
15	4300730534	HELPER FED B-7	NESW	27	13S	10E	Federal	USA UTU 71392	Producing
16	4300730535	HELPER FED B-8	SESE	27	13S	10E	Federal	USA UTU 71392	Producing
17	4300730536	HELPER FED B-9	SENW	34	13S	10E	Federal	USA UTU 71392	Producing
18	4300730537	HELPER FED B-10	NWNE	34	13S	10E	Federal	USA UTU 71392	Producing
19	4300730538	HELPER FED B-11	SESW	34	13S	10E	Federal	USA UTU 71392	Producing
20	4300730539	HELPER FED B-12	NESE	34	13S	10E	Federal	USA UTU 71392	Producing
21	4300730540	HELPER FED B-13	SWSE	28	13S	10E	Federal	USA UTU 71392	Producing
22	4300730541	HELPER FED B-14	SWSW	28	13S	10E	Federal	USA UTU 71392	Producing
23	4300730542	HELPER FED D-2	SWNW	26	13S	10E	Federal	USA UTU 68315	Producing
24	4300730543	HELPER FED D-3	SESW	26	13S	10E	Federal	USA UTU 68315	Producing
25	4300730544	HELPER FED D-4	NWNW	35	13S	10E	Federal	USA UTU 68315	Producing
26	4300730545	HELPER FED D-5	SESW	35	13S	10E	Federal	USA UTU 68315	Producing
27	4300730546	HELPER FED D-6	NWSE	35	13S	10E	Federal	USA UTU 68315	Producing
28	4300730547	HELPER FED E-1	NESE	29	13S	10E	Federal	USA UTU 71675	Producing
29	4300730548	HELPER FED E-2	SESW	29	13S	10E	Federal	USA UTU 71675	Producing
30	4300730549	HELPER FED H-1	NENW	1	14S	10E	Federal	USA UTU 72352	Producing
31	4300730550	HELPER FED H-2	SESW	1	14S	10E	Federal	USA UTU 72352	Producing
32	4300730556	OLIVETO FED A-2	NESW	8	14S	10E	Federal	USA UTU 65762	Producing
33	4300730557	HELPER FED F-1	SESE	8	14S	10E	Federal	USA UTU 65762	Producing
34	4300730558	SMITH FED A-1	NWSW	9	14S	10E	Federal	USA UTU 65762	Producing
35	4300730593	HELPER FED A-6	SESE	23	13S	10E	Federal	USA UTU 58434	Producing
36	4300730594	HELPER FED D-7	C-SE	26	13S	10E	Federal	USA UTU 68315	Producing
37	4300730595	HELPER FED D-8	NENE	35	13S	10E	Federal	USA UTU 68315	Producing
38	4300730677	HELPER FED A-5	NENE	23	13S	10E	Federal	USA UTU 58434	Producing
39	4300730678	HELPER FED A-7	SENW	22	13S	10E	Federal	USA UTU 58434	Producing
40	4300730679	HELPER FED B-15	SENE	28	13S	10E	Federal	USA UTU 71392	Producing
41	4300730680	HELPER FED B-16	SWNW	28	13S	10E	Federal	USA UTU 71392	Producing
42	4300730681	HELPER FED C-2	NENW	24	13S	10E	Federal	USA UTU 71391	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
43	4300730682	HELPER FED C-4	NWSW	24	13S	10E	Federal	USA UTU 71391	Producing
44	4300730683	HELPER FED C-6	SWSE	21	13S	10E	Federal	USA UTU 71391	Shut-In
45	4300730684	HELPER FED C-7	SESW	21	13S	10E	Federal	USA UTU 71391	Producing
46	4300730685	HELPER FED D-9	NWNW	25	13S	10E	Federal	USA UTU 68315	Producing
47	4300730686	HELPER FED D-10	SENE	25	13S	10E	Federal	USA UTU 68315	Producing
48	4300730687	HELPER FED D-11	SESW	25	13S	10E	Federal	USA UTU 68315	Producing
49	4300730688	HELPER FED D-12	SESE	25	13S	10E	Federal	USA UTU 68315	Producing
50	4300730689	HELPER FED E-4	NWNE	29	13S	10E	Federal	USA UTU 71675	Producing
51	4300730692	HELPER FED A-4	SWNW	23	13S	10E	Federal	USA UTU 58434	Producing
52	4300730693	HELPER FED C-5	SWNE	24	13S	10E	Federal	USA UTU 71391	Producing
53	4300730694	HELPER FED G-1	C-NW	30	13S	11E	Federal	USA UTU 71677	Producing
54	4300730695	HELPER FED G-2	SWSW	30	13S	11E	Federal	USA UTU 71677	Producing
55	4300730696	HELPER FED G-3	SENW	31	13S	11E	Federal	USA UTU 71677	Producing
56	4300730697	HELPER FED G-4	SESW	31	13S	11E	Federal	USA UTU 71677	Producing
57	4300730698	HELPER FED H-3	SWNE	1	14S	10E	Federal	USA UTU 72352	Producing
58	4300730699	HELPER FED H-4	NESE	1	14S	10E	Federal	USA UTU 72352	Producing
59	4300730702	HELPER FED C-3	SESW	24	13S	10E	Federal	USA UTU 71391	Producing
60	4300730770	HELPER FED G-5	SWNE	30	13S	11E	Federal	USA UTU 71677	Producing
61	4300730771	HELPER FED G-6	SWSE	30	13S	11E	Federal	USA UTU 71677	Producing
62	4300730772	HELPER FED G-7	NWNE	31	13S	11E	Federal	USA UTU 71677	Producing
63	4300730773	HELPER FED G-8	NESE	31	13S	11E	Federal	USA UTU 71677	Producing
64	4300730776	HELPER FED E-8	SENE	19	13S	10E	Federal	USA UTU 77980	Producing
65	4300730868	HELPER FED E-9	SESW	19	13S	10E	Federal	USA UTU 77980	Producing
66	4300730869	HELPER FED E-5	SWSW	20	13S	10E	Federal	USA UTU 71675	Producing
67	4300730870	HELPER FED E-6	SWNW	20	13S	10E	Federal	USA UTU 71675	Producing
68	4300730871	HELPER FED E-10	NENW	30	13S	10E	Federal	USA UTU 71675	Producing
69	4300730873	HELPER FED E-11	NWNE	30	13S	10E	Federal	USA UTU 71675	Producing
70	4300730119	SHIMMIN TRUST 3	SENW	14	12S	10E	Fee (Private)		Plugged and Abandoned
71	4300730120	SHIMMIN TRUST 1	SESE	11	12S	10E	Fee (Private)		Plugged and Abandoned
72	4300730121	SHIMMIN TRUST 2	SENE	14	12S	10E	Fee (Private)		Plugged and Abandoned
73	4300730123	SHIMMIN TRUST 4	SESW	11	12S	10E	Fee (Private)		Plugged and Abandoned
74	4300730158	SLEMAKER A-1	SWNE	5	12S	12E	Fee (Private)		Plugged and Abandoned
75	4300730161	JENSEN 16-10	SESE	10	12S	10E	Fee (Private)		Plugged and Abandoned
76	4300730165	JENSEN 7-15	SWNE	15	12S	10E	Fee (Private)		Plugged and Abandoned
77	4300730168	SHIMMIN TRUST 12-12	NWSW	12	12S	10E	Fee (Private)		Plugged and Abandoned
78	4300730175	JENSEN 11-15	NESW	15	12S	10E	Fee (Private)		Plugged and Abandoned
79	4300730188	BRYNER A-1	NESE	11	12S	12E	Fee (Private)		Plugged and Abandoned
80	4300730209	BRYNER A-1X (RIG SKID)	NESE	11	12S	12E	Fee (Private)		Plugged and Abandoned
81	4300730348	BIRCH A-1	NWSW	5	14S	10E	Fee (Private)		Producing
82	4300730352	CHUBBUCK A-1	NESE	31	13S	10E	Fee (Private)		Producing
83	4300730353	VEA A-1	SWNW	32	13S	10E	Fee (Private)		Producing
84	4300730354	VEA A-2	NENE	32	13S	10E	Fee (Private)		Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
85	4300730355	VEA A-3	SESW	32	13S	10E	Fee (Private)		Producing
86	4300730356	VEA A-4	NWSE	32	13S	10E	Fee (Private)		Producing
87	4300730372	BIRCH A-2	NWNW	8	14S	10E	Fee (Private)		Producing
88	4300730570	SE INVESTMENTS A-1	NESE	6	14S	10E	Fee (Private)		Producing
89	4300730586	HARMOND A-1	SENE	7	14S	10E	Fee (Private)		Producing
90	4300730604	CHUBBUCK A-2	SENW	6	14S	10E	Fee (Private)		Producing
91	4300730726	CLAWSON SPRING ST J-1	SESW	35	15S	8E	Fee (Private)		Producing
92	4300730727	PIERUCCI 1	SENW	35	15S	8E	Fee (Private)		Producing
93	4300730728	POTTER ETAL 1	SWNE	35	15S	8E	Fee (Private)		Producing
94	4300730737	POTTER ETAL 2	NESE	35	15S	8E	Fee (Private)		Producing
95	4300730774	GOODALL A-1	NWSW	6	14S	11E	Fee (Private)		Producing
96	4300730781	HAUSKNECHT A-1	SWNW	21	13S	10E	Fee (Private)		Producing
97	4300730872	SACCOMANNO A-1	NESE	30	13S	10E	Fee (Private)		Producing
98	4300730885	BLACKHAWK A-1	SESE	20	13S	10E	Fee (Private)		Plugged and Abandoned
99	4300730886	BLACKHAWK A-2	NWNW	29	13S	10E	Fee (Private)		Producing
100	4300730914	BLACKHAWK A-3	SENE	20	13S	10E	Fee (Private)		Producing
101	4300730915	BLACKHAWK A-4	NENE	21	13S	10E	Fee (Private)		Producing
102	4300730923	BLACKHAWK A-1X	SESE	20	13S	10E	Fee (Private)		Producing
103	4300731402	BLACKHAWK A-5H	NENE	20	13S	10E	Fee (Private)		Plugged and Abandoned
104	4300750075	VEA 32-32	SWNE	32	13S	10E	Fee (Private)		Producing
105	4301530468	CLAWSON SPRING ST IPA-1	SESE	10	16S	8E	Fee (Private)		Producing
106	4301530469	CLAWSON SPRING ST IPA-2	NENE	15	16S	8E	Fee (Private)		Producing
107	4300730132	ST 9-16	NESE	16	12S	10E	State	ML-44443	Plugged and Abandoned
108	4300730133	ST 2-16	NWNE	16	12S	10E	State	ML-44443	Plugged and Abandoned
109	4300730141	MATTS SUMMIT ST A-1	NWNW	14	12S	9E	State	ML-44496	Plugged and Abandoned
110	4300730349	HELPER ST A-1	SENW	3	14S	10E	State	ST UT ML 45805	Producing
111	4300730350	HELPER ST D-7	NWSW	4	14S	10E	State	ST UT ML 45804	Producing
112	4300730357	HELPER ST A-8	NWSE	2	14S	10E	State	ST UT ML 45805	Producing
113	4300730358	HELPER ST A-3	NWNW	2	14S	10E	State	ST UT ML 45805	Producing
114	4300730359	HELPER ST A-4	NWNE	2	14S	10E	State	ST UT ML 45805	Producing
115	4300730360	HELPER ST A-7	NESW	2	14S	10E	State	ST UT ML 45805	Producing
116	4300730362	HELPER ST A-2	NENE	3	14S	10E	State	ST UT ML 45805	Producing
117	4300730363	HELPER ST A-5	NESW	3	14S	10E	State	ST UT ML 45805	Producing
118	4300730364	HELPER ST A-6	NESE	3	14S	10E	State	ST UT ML 45805	Producing
119	4300730365	HELPER ST D-4	SWNW	4	14S	10E	State	ST UT ML 45804	Producing
120	4300730366	HELPER ST D-3	NENE	5	14S	10E	State	ST UT ML 45804	Producing
121	4300730367	HELPER ST D-5	NWNE	4	14S	10E	State	ST UT ML 45804	Producing
122	4300730368	HELPER ST D-8	SESE	4	14S	10E	State	ST UT ML 45804	Producing
123	4300730369	HELPER ST D-2	NENW	5	14S	10E	State	ST UT ML 45804	Producing
124	4300730370	HELPER ST D-6	SESE	5	14S	10E	State	ST UT ML 45804	Producing
125	4300730371	HELPER ST D-1	NENE	6	14S	10E	State	ST UT ML 45804	Producing
126	4300730373	HELPER ST A-9	SENW	10	14S	10E	State	ST UT ML 45805	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
127	4300730376	HELPER ST B-1	SWNE	9	14S	10E	State	ST UT ML 47556	Producing
128	4300730433	HELPER ST A-10	NWNE	10	14S	10E	State	ST UT ML 45805	Producing
129	4300730434	HELPER ST A-11	SWNW	11	14S	10E	State	ST UT ML 45805	Producing
130	4300730435	HELPER ST A-12	NWSW	10	14S	10E	State	ST UT ML 45805	Producing
131	4300730436	HELPER ST A-13	NESE	10	14S	10E	State	ST UT ML 45805	Producing
132	4300730437	HELPER ST B-2	NESE	9	14S	10E	State	ST UT ML 47556	Producing
133	4300730571	HELPER ST A-14	SESW	11	14S	10E	State	ST UT ML 45805	Producing
134	4300730572	HELPER ST A-15	SENE	11	14S	10E	State	ST UT ML 45805	Producing
135	4300730573	HELPER ST E-1	SESW	36	13S	10E	State	ST UT ML 45802	Producing
136	4300730574	HELPER ST E-2	SWNW	36	13S	10E	State	ST UT ML 45802	Producing
137	4300730592	HELPER ST E-3	NENE	36	13S	10E	State	ST UT ML 45802	Producing
138	4300730597	CLAWSON SPRING ST A-1	SWSE	36	15S	8E	State	ST UT ML 46106	Producing
139	4300730598	HELPER ST E-4	SWSE	36	13S	10E	State	ST UT ML 45802	Producing
140	4300730603	HELPER ST A-16	SWSE	11	14S	10E	State	ST UT ML 45805	Producing
141	4300730635	CLAWSON SPRING ST A-2	NWNW	36	15S	8E	State	ST UT ML 46106	Producing
142	4300730636	CLAWSON SPRING ST A-3	NESW	36	15S	8E	State	ST UT ML 46106	Producing
143	4300730637	CLAWSON SPRING ST A-4	NWNE	36	15S	8E	State	ST UT ML 46106	Producing
144	4300730642	CLAWSON SPRING ST D-5	NENW	31	15S	9E	State	ML-48226	Producing
145	4300730643	CLAWSON SPRING ST D-6	SWSW	31	15S	9E	State	ML-48226	Producing
146	4300730644	CLAWSON SPRING ST D-7	NWNE	31	15S	9E	State	ML-48226	Producing
147	4300730701	CLAWSON SPRING ST D-8	NWSE	31	15S	9E	State	ML-48226	Producing
148	4300750070	HELPER STATE 12-3	SWNW	3	14S	10E	State	ST UT ML 45805	Producing
149	4300750071	HELPER STATE 32-3	SWNE	3	14S	10E	State	ST UT ML 45805	Producing
150	4300750072	HELPER STATE 32-36	SWNE	36	13S	10E	State	ST UT ML 45802	Producing
151	4301530391	UTAH 10-415	NENE	10	16S	8E	State	ST UT ML 48189	Temporarily-Abandoned
152	4301530392	CLAWSON SPRING ST E-7	SENE	7	16S	9E	State	ST UT ML 48220-A	Producing
153	4301530394	CLAWSON SPRING ST E-8	SWSE	7	16S	9E	State	ST UT ML 48220-A	Producing
154	4301530403	CLAWSON SPRING ST E-3	SENE	6	16S	9E	State	ST UT ML 48220-A	Producing
155	4301530404	CLAWSON SPRING ST E-1	SENW	6	16S	9E	State	ST UT ML 48220-A	Producing
156	4301530405	CLAWSON SPRING ST E-2	NESW	6	16S	9E	State	ST UT ML 48220-A	Producing
157	4301530406	CLAWSON SPRING ST E-4	NWSE	6	16S	9E	State	ST UT ML 48220-A	Producing
158	4301530410	CLAWSON SPRING ST C-1	SWNW	12	16S	8E	State	ST UT UO 48209	Producing
159	4301530427	CLAWSON SPRING ST B-1	NENW	1	16S	8E	State	ST UT ML 48216	Producing
160	4301530428	CLAWSON SPRING ST B-2	NWSW	1	16S	8E	State	ST UT ML 48216	Producing
161	4301530429	CLAWSON SPRING ST B-3	NWNE	1	16S	8E	State	ST UT ML 48216	Producing
162	4301530430	CLAWSON SPRING ST B-4	SESE	1	16S	8E	State	ST UT ML 48216	Producing
163	4301530431	CLAWSON SPRING ST B-5	SWSW	12	16S	8E	State	ST UT ML 48216	Producing
164	4301530432	CLAWSON SPRING ST B-8	SENE	11	16S	8E	State	ST UT ML 48216	Producing
165	4301530433	CLAWSON SPRING ST B-9	NWSE	11	16S	8E	State	ST UT ML 48216	Producing
166	4301530434	CLAWSON SPRING ST C-2	SENE	12	16S	8E	State	ST UT UO 48209	Producing
167	4301530435	CLAWSON SPRING ST C-4	SWNW	14	16S	8E	State	ST UT UO 48209	Producing
168	4301530460	CLAWSON SPRING ST B-7	NWSW	11	16S	8E	State	ST UT ML 48216	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
169	4301530461	CLAWSON SPRING ST C-6	SENE	14	16S	8E	State	ST UT UO 48209	Producing
170	4301530463	CLAWSON SPRING ST C-3	C-SE	12	16S	8E	State	ST UT UO 48209	Producing
171	4301530465	CLAWSON SPRING ST B-6	NENW	11	16S	8E	State	ST UT ML 48216	Producing
172	4301530466	CLAWSON SPRING ST H-1	NENW	13	16S	8E	State	ST UT ML 48217-A	Producing
173	4301530467	CLAWSON SPRING ST H-2	NENE	13	16S	8E	State	ST UT ML 48217-A	Producing
174	4301530470	CLAWSON SPRING ST E-5	NENW	7	16S	9E	State	ST UT ML 48220-A	Producing
175	4301530471	CLAWSON SPRING ST G-1	NWNW	2	16S	8E	State	ST UT ML 46314	Producing
176	4301530472	CLAWSON SPRING ST F-2	NESE	3	16S	8E	State	ST UT ML 48515	Producing
177	4301530473	CLAWSON SPRING ST F-1	SENE	3	16S	8E	State	ST UT ML 48514	Producing
178	4301530474	CLAWSON SPRING ST E-6	SESW	7	16S	9E	State	ST UT ML 48220-A	Producing
179	4301530475	CLAWSON SPRING ST G-2	NESW	2	16S	8E	State	ST UT ML 46314	Producing
180	4301530488	CLAWSON SPRING ST M-1	NWNE	2	16S	8E	State	ST UT ML 47561	Producing
181	4301530489	CLAWSON SPRING ST K-1	SESE	2	16S	8E	State	ST UT ML 46043	Producing